



FINAL LAB REPORT

Prepared by

SGS NORTH AMERICA

Prepared for

This report is approved by

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PROJECT INFORMATION SUMMARY (*When applicable, see QC Annotations for details*)

Client Project
SGS Project #
Analytical Protocol(s)
No. Samples Submitted
Additional QC Sample(s)
No. Laboratory Method Blanks
No. OPRs / Batch CS3
Date Received
Condition Received
Temperature upon Receipt (°C)
Extraction within Holding Time
Analysis within Holding Time



QC ANNOTATIONS:

1. Please see Appendices attached for data qualifier/attribute and lab identifier descriptions which may be contained in the project.

APPENDIX A: GENERAL DATA QUALIFIERS / DATA ATTRIBUTES

B	The analyte was found in the method blank, at a concentration that was at least 10% of the concentration in the sample.
C	Two or more congeners co-elute. In EDDs, C denotes the lowest IUPAC congener in a co-elution group and additional co-eluters for the group are shown with the number of the lowest IUPAC co-eluter.
E	The reported concentration exceeds the calibration range (upper point of the calibration curve) and is an estimated value.
EMPC	Represents an Estimated Maximum Possible Concentration. EMPCs arise in cases where the signal/noise ratio is not sufficient for peak identification (the determined ion-abundance ratio is outside the allowed theoretical range), or where there is a co-eluting interference.
H/h	If the standard recovery is below the method or SOP specified value "H" is assigned. If the obtained value is less than half the specified value "h" is assigned.
J	Indicates that an analyte has a concentration below the reporting limit (lowest point of the calibration curve) and is an estimated value.
ND	Indicates a non-detect.
NR or R	Indicates a value that is not reportable.
PR	Due to interference, the associated congener is poorly resolved.
QI	Indicates the presence of a quantitative interference.
SI	Denotes "Single Ion Mode" and is utilized for PCBs where the secondary ion trace has a significantly elevated noise level due to background PFK. Responses for such peaks are calculated using an EMPC approach based solely on the primary ion area(s) and may be considered estimates.
U	The analyte was not detected. The estimated detection limit (EDL) may be reported for this analyte.
V	The labeled standard recovery was found to be outside of the method control limits.

APPENDIX B: DRBC/TMDL SPECIFIC DATA QUALIFIERS / DATA ATTRIBUTES

J	The reported result is an estimate. The value is less than the minimum calibration level but greater than the estimated detection limit (EDL).
U	The analyte was not detected in the sample at the estimated detection limit (EDL).
E	The reported concentration is an estimate. The value exceeds the upper calibration range (upper point of the calibration curve).
D	Dilution Data. Result was obtained from the analysis of a dilution.
B	Analyte found in the sample and associated method blank.
C	Co-eluting congener
Cxx	Co-elutes with the indicated congener, data is reported under the lowest IUPAC congener. 'Xx' denotes the IUPAC number with the lowest numerical designated congener.
NR	Analyte is not reportable because of problems in sample preparation or analysis.
V	Labeled standard recovery is not within method control limits.
X	Results from re-injection/repeat/second-column analysis.
EMPC	Estimated maximum possible concentration. Indicates that a peak is identified but did not meet the method specified ion-abundance ratio.

APPENDIX C: LAB IDENTIFIERS

AR	Indicates use of the archived portion of the sample extract.
CU	Indicates a sample that required additional clean-up prior to MS injection/processing.
D	Indicates a dilution of the sample extract. The number that follows the "D" indicates the dilution factor.
DE	Indicates a dilution performed with the addition of ES (extraction standard) solution.
DUP	Designation for a duplicate sample.
MS	Designation for a matrix spike.
MSD	Designation for a matrix spike duplicate.
RJ	Indicates a reinjection of the sample extract.
S	Indicates a sample split. The number that follows the "S" indicates the split factor.



SGS CERTIFICATIONS

Arkansas	88-0682
California (ELAP)	ELAP Cert #2914
CLIA	34D1013708
Connecticut	PH-0258
USDA Soil Permit	P330-17-00055
DoD	2726.01
Florida (Primary NELAP)	E87634
ISO 17025/IEC	2726.01
Louisiana DEQ	4115
Louisiana DOH	LA170030
Maine	2016028
Massachusetts	M-NC919
Minnesota (Primary NELAP For Method 23)	1179213
Mississippi	Reciprocity
Nebraska	NE-OS-33-17
New Hampshire	208317
New Jersey	NC100
New York	11685
North Carolina DEQ	481
North Dakota	R-197
Oregon	NC200002
Pennsylvania	68-03675
South Carolina	99029002
Texas	T104704260
US Coast Guard	16714/159.317/SGS
Virginia	8914
Washington	C913
West Virginia	293

Rev. 04-Aug-2017

PCB Report**Method 1668A**

Analyte	Method Blank B1591_15329 pg/L	CWKDERIVER3-EQBLK- 1 pg/L	CWKDERIVER3-EQBLK- 2 pg/L	CWKDERIVER3-EQBLK- 3 pg/L	CWKDERIVER3-EQBLK- 4 pg/L	CWKDERIVER3-EQBLK- 5 pg/L
PCB-77	(4.76)	(3.24)	(4.62)	(3.43)	(1.58)	(2.98)
PCB-81	(4.36)	(3.25)	(4.57)	(3.43)	(1.57)	(2.83)
PCB-105	(1.73)	[3.62]	4.51	7.7	2.9	3.34
PCB-114	(1.71)	(1.35)	(2.03)	(1.04)	(0.787)	(1.69)
PCB-118	[3.87]	7.78	7.72	15.9	7.15	5.08
PCB-123	(1.77)	(1.34)	(2)	(1.1)	(0.792)	(1.51)
PCB-126	(1.99)	(1.23)	(2.17)	(1.35)	(0.973)	(1.37)
PCB-156/157	(2.97)	(1.9)	(2.62)	3.68	(1.14)	(1.9)
PCB-167	(1.83)	(1.11)	(1.57)	(1.07)	(0.71)	(1.15)
PCB-169	(2.37)	(1.44)	(1.95)	(1.35)	(0.805)	(1.34)
PCB-189	(2.34)	(1.77)	(2.95)	(1.13)	(0.947)	(1.2)
Total Mono-CB	(2.25)	(1.52)	(3.02)	3.66	(1.29)	(1.47)
Total Di-CB	20	[30.6]	41.5	[28.1]	24.5	25.7
Total Tri-CB	(5.48)	9.48	[5.42]	4.97	10.3	4.72
Total Tetra-CB	(4.15)	29.1	17.8	12	27	12.9
Total Penta-CB	[3.87]	40.1	12.2	39	32.9	21.9
Total Hexa-CB	[3.47]	3.71	8.01	30.5	11.4	18.6
Total Hepta-CB	5.78	[2.42]	[3.29]	15.2	[6.57]	(1.25)
Total Octa-CB	(1.32)	(1.11)	(1.6)	3.46	(0.781)	(1.2)
Total Nona-CB	(7.47)	(6.53)	(12)	(7.82)	(3.3)	(6.96)
Total Deca-CB	(1.94)	(1.55)	(2.15)	(1.9)	(0.919)	(2.29)
TEQs (WHO 2005 M/H)						
ND = 0; EMPC = 0	0	0.000233	0.000367	0.000819	0.000301	0.000253
ND = 0; EMPC = EMPC	0.000116	0.000342	0.000367	0.000819	0.000301	0.000253
ND = DL/2; EMPC = 0	0.136	0.084	0.139	0.0893	0.0614	0.0897
ND = DL/2; EMPC = EMPC	0.136	0.0841	0.139	0.0893	0.0614	0.0897
ND = DL; EMPC = 0	0.272	0.168	0.278	0.178	0.122	0.179
ND = DL; EMPC = EMPC	0.272	0.168	0.278	0.178	0.122	0.179

Checkcode

779-414-SQB/A

401-537-TRK/A

440-485-FBF/A

567-056-TPC/A

602-298-YSK/A

917-607-QTJ/A

() = DL

[] = EMPC

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PCB Report		Method 1668A				
Analyte	Method Blank B1591_15329 pg/L	CWKDERIVER3-EQBLK-1 pg/L	CWKDERIVER3-EQBLK-2 pg/L	CWKDERIVER3-EQBLK-3 pg/L	CWKDERIVER3-EQBLK-4 pg/L	CWKDERIVER3-EQBLK-5 pg/L
PCB-77	(4.76)	(3.24)	(4.62)	(3.43)	(1.58)	(2.98)
PCB-81	(4.36)	(3.25)	(4.57)	(3.43)	(1.57)	(2.83)
PCB-105	(1.73)	[3.62]	4.51	7.7	2.9	3.34
PCB-114	(1.71)	(1.35)	(2.03)	(1.04)	(0.787)	(1.69)
PCB-118	[3.87]	7.78	7.72	15.9	7.15	5.08
PCB-123	(1.77)	(1.34)	(2)	(1.1)	(0.792)	(1.51)
PCB-126	(1.99)	(1.23)	(2.17)	(1.35)	(0.973)	(1.37)
PCB-156/157	(2.97)	(1.9)	(2.62)	3.68	(1.14)	(1.9)
PCB-167	(1.83)	(1.11)	(1.57)	(1.07)	(0.71)	(1.15)
PCB-169	(2.37)	(1.44)	(1.95)	(1.35)	(0.805)	(1.34)
PCB-189	(2.34)	(1.77)	(2.95)	(1.13)	(0.947)	(1.2)
Total Mono-CB	(2.25)	(1.52)	(3.02)	3.66	(1.29)	(1.47)
Total Di-CB	20	[30.6]	41.5	[28.1]	24.5	25.7
Total Tri-CB	(5.48)	9.48	[5.42]	4.97	10.3	4.72
Total Tetra-CB	(4.15)	29.1	17.8	12	27	12.9
Total Penta-CB	[3.87]	40.1	12.2	39	32.9	21.9
Total Hexa-CB	[3.47]	3.71	8.01	30.5	11.4	18.6
Total Hepta-CB	5.78	[2.42]	[3.29]	15.2	[6.57]	(1.25)
Total Octa-CB	(1.32)	(1.11)	(1.6)	3.46	(0.781)	(1.2)
Total Nona-CB	(7.47)	(6.53)	(12)	(7.82)	(3.3)	(6.96)
Total Deca-CB	(1.94)	(1.55)	(2.15)	(1.9)	(0.919)	(2.29)
TEQs (WHO 1998 M/H)						
ND = 0; EMPC = 0	0	0.000778	0.00122	0.0042	0.001	0.000843
ND = 0; EMPC = EMPC	0.000387	0.00114	0.00122	0.0042	0.001	0.000843
ND = DL/2; EMPC = 0	0.113	0.0707	0.121	0.0792	0.0544	0.0775
ND = DL/2; EMPC = EMPC	0.114	0.071	0.121	0.0792	0.0544	0.0775
ND = DL; EMPC = 0	0.227	0.141	0.241	0.154	0.108	0.154
ND = DL; EMPC = EMPC	0.227	0.141	0.241	0.154	0.108	0.154

Checkcode

779-414-SQB/A

401-537-TRK/A

440-485-FBF/A

567-056-TPC/A

602-298-YSK/A

917-607-QTJ/A

PCB Recoveries							Method 1668A
Standard	Method Blank B1591_15329	CWKDERIVER3-EQBLK- 1	CWKDERIVER3-EQBLK- 2	CWKDERIVER3-EQBLK- 3	CWKDERIVER3-EQBLK- 4	CWKDERIVER3-EQBLK- 5	
ES PCB-1	75.7	75.6	74	74.4	50.8	85.9	
ES PCB-3	73.3	75.4	71.6	78.5	54.8	88.5	
ES PCB-4	74.2	76.2	71	76.2	55.7	84.8	
ES PCB-15	79.2	83.2	79.1	83.1	70.9	89.1	
ES PCB-19	80.6	80.9	78.8	76.9	62	81	
ES PCB-39	85.9	92.8	92	93.6	90.1	98.1	
ES PCB-54	70.6	86.5	75.3	80	73.7	85.3	
ES PCB-77	87.6	94.4	88	87.8	91	94.2	
ES PCB-81	86.4	93.6	88.5	89.8	90.7	95.9	
ES PCB-104	78.7	92.9	82.6	83.3	74.7	82.1	
ES PCB-105	95.4	96.9	92.2	93.6	87	91.9	
ES PCB-114	92.7	95	92.8	92.1	86.5	90.9	
ES PCB-118	94.3	96.2	93.8	84.5	86.8	90	
ES PCB-123	90.1	97.5	96.4	86.5	86.2	92	
ES PCB-126	88.6	89.2	90.5	95.3	87.6	94.9	
ES PCB-153	100	114	123	102	106	105	
ES PCB-155	106	120	135	108	108	122	
ES PCB-156/157	118	119	133	110	117	127	
ES PCB-167	119	119	133	115	120	128	
ES PCB-169	103	104	123	102	109	120	
ES PCB-170	107	113	109	104	115	114	
ES PCB-180	110	118	109	103	113	116	
ES PCB-188	96.6	98.2	108	91.8	93.9	94	
ES PCB-189	101	111	105	98.8	109	114	
ES PCB-202	104	105	111	95.7	98.2	103	
ES PCB-205	108	112	108	102	105	112	
ES PCB-206	99.9	110	101	96.1	101	104	
ES PCB-208	110	115	109	101	109	112	
ES PCB-209	103	109	103	94.2	104	106	

Checkcode

779-414-SQB/A

401-537-TRK/A

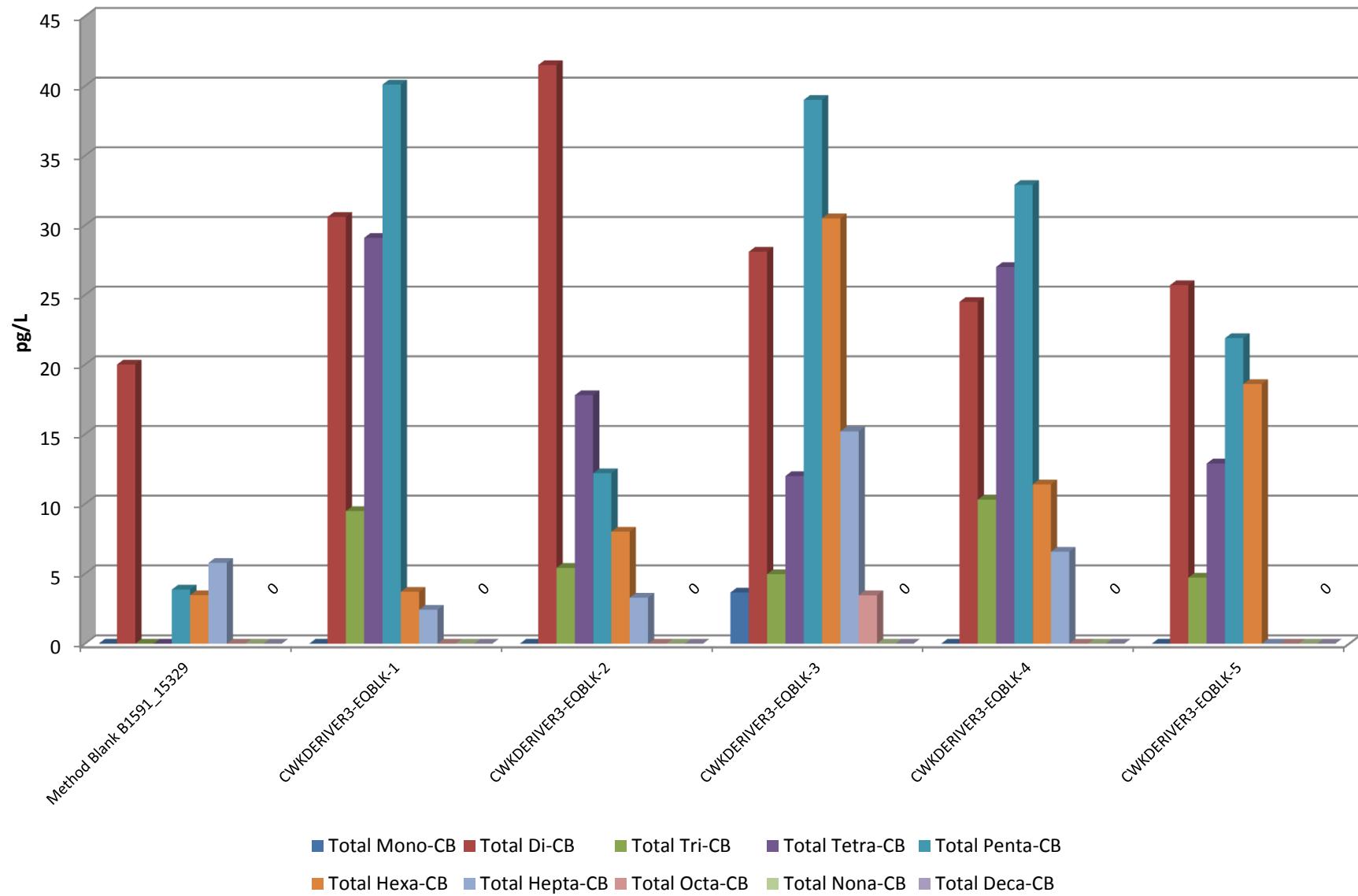
440-485-FBF/A

567-056-TPC/A

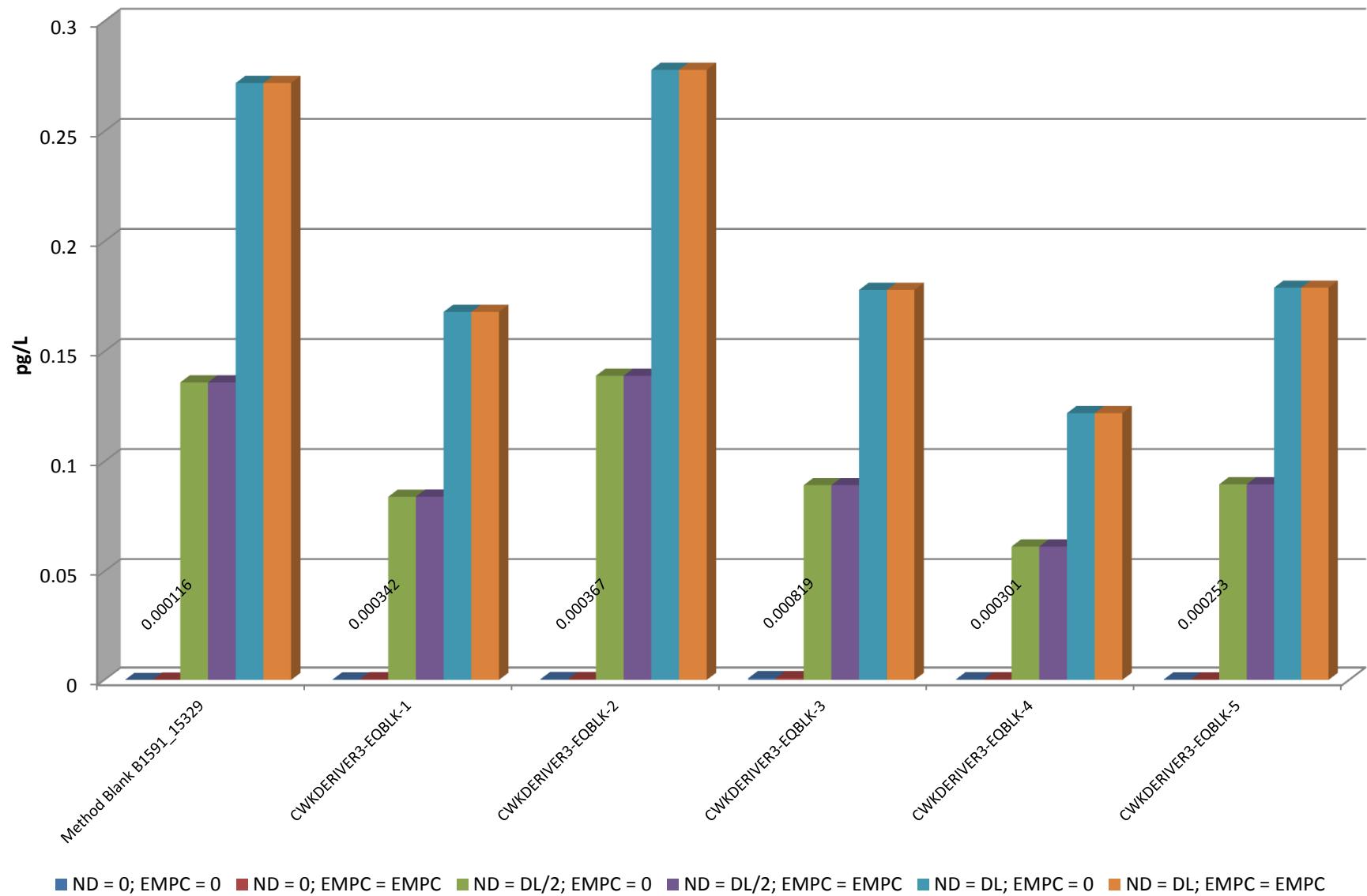
602-298-YSK/A

917-607-QTJ/A

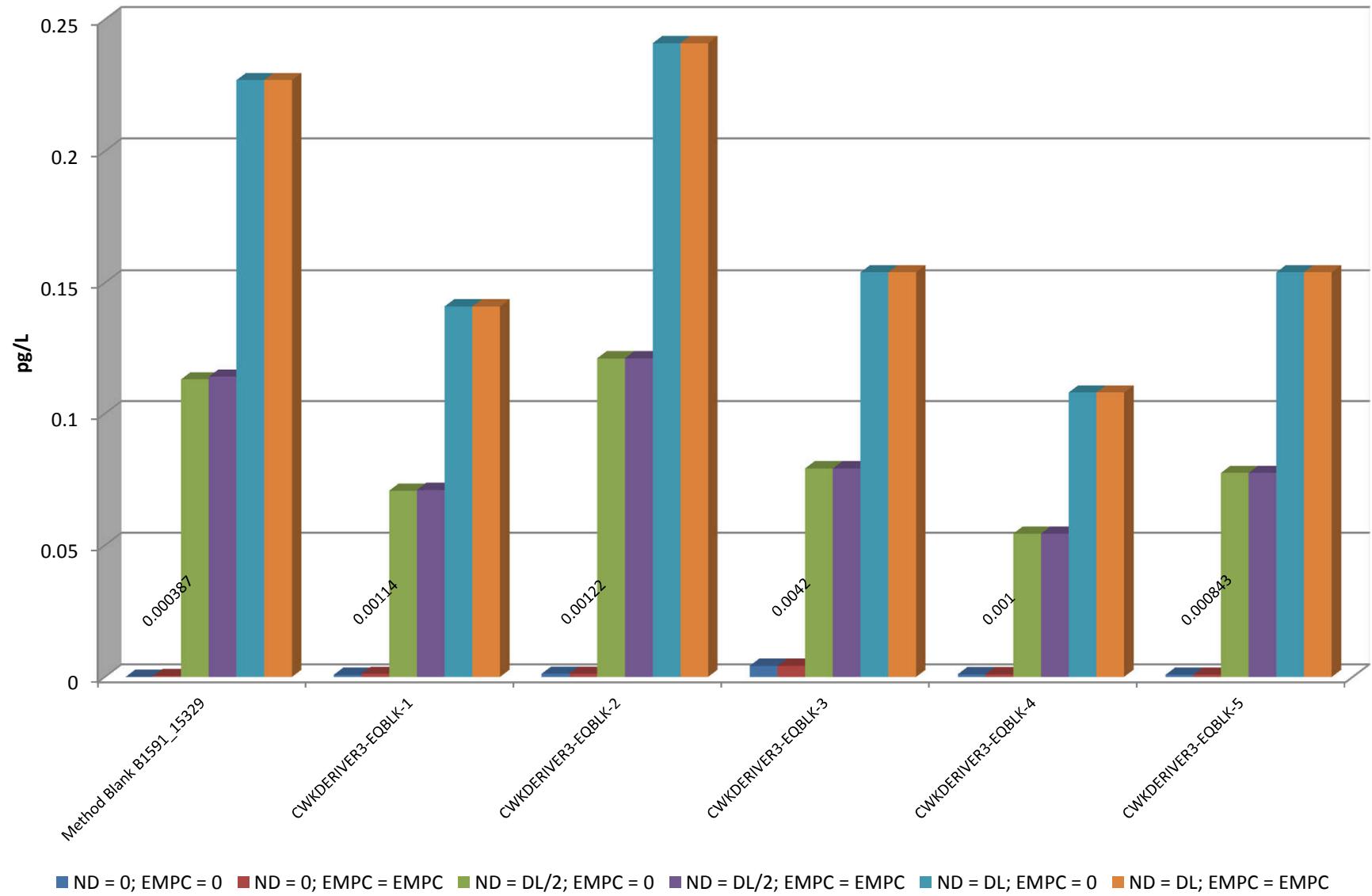
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Project ID: DE River NAPL Delineation Phase III
B1591



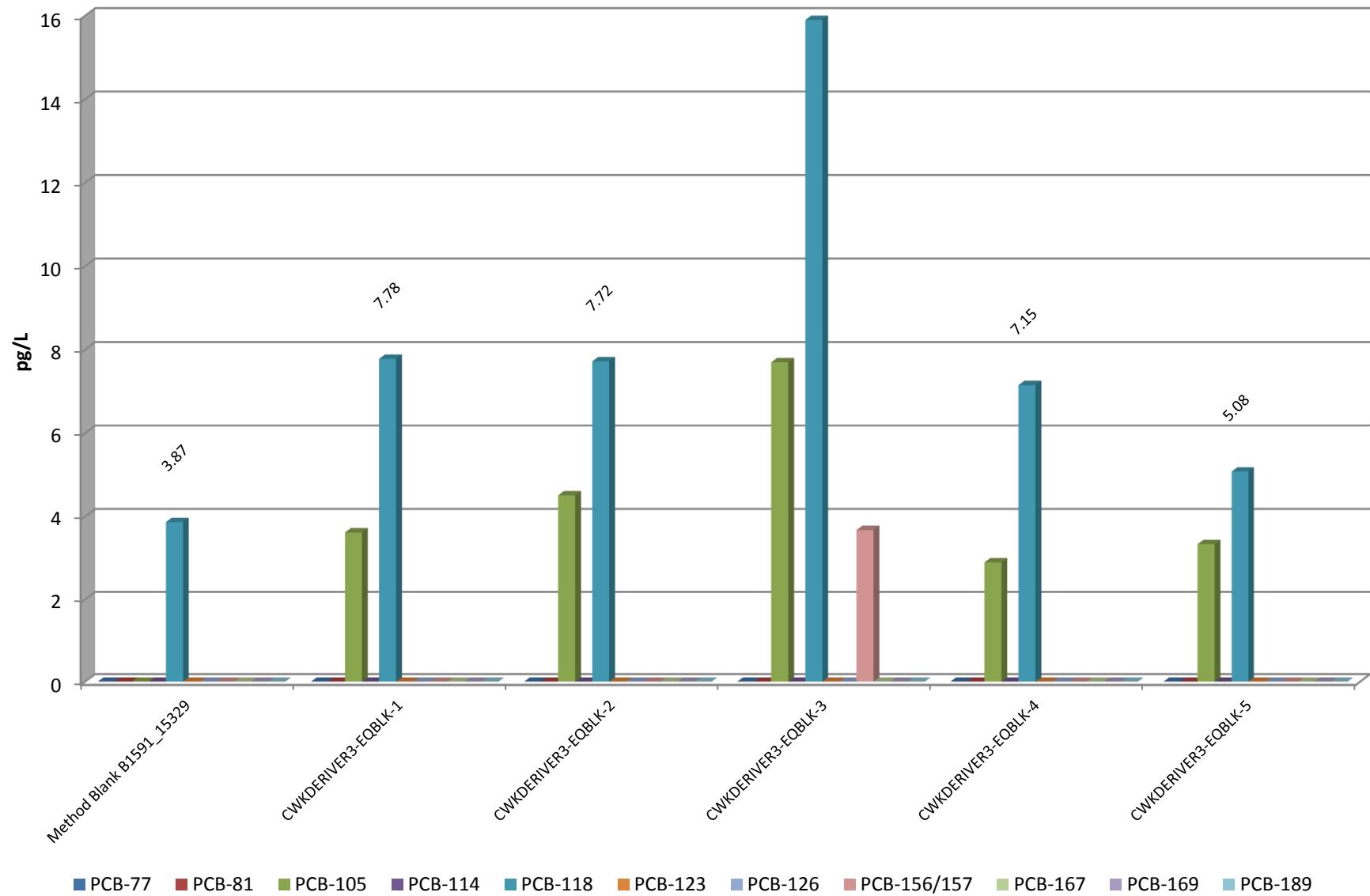
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Project ID: DE River NAPL Delineation Phase III
B1591



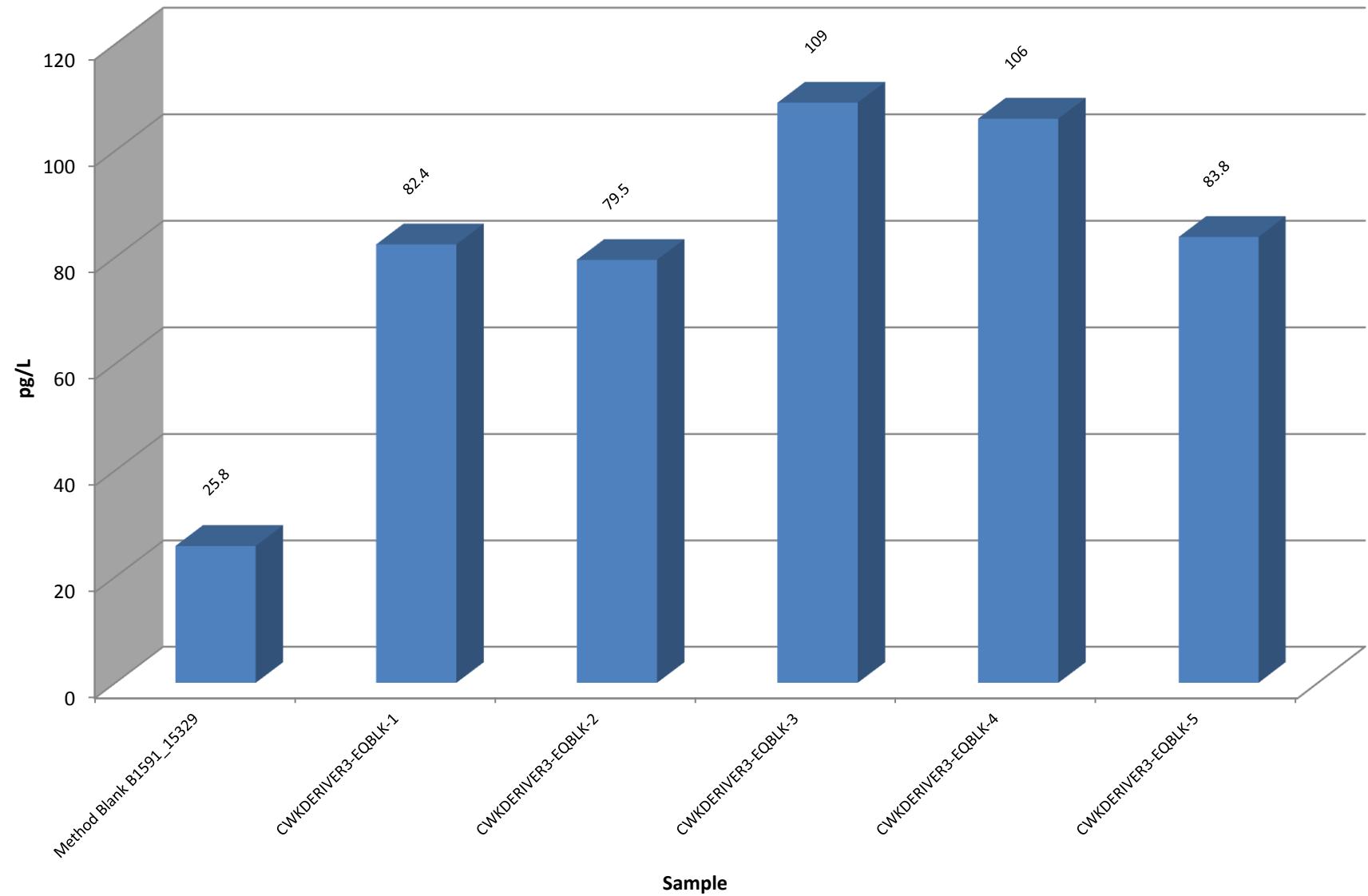
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Project ID: DE River NAPL Delineation Phase III
B1591



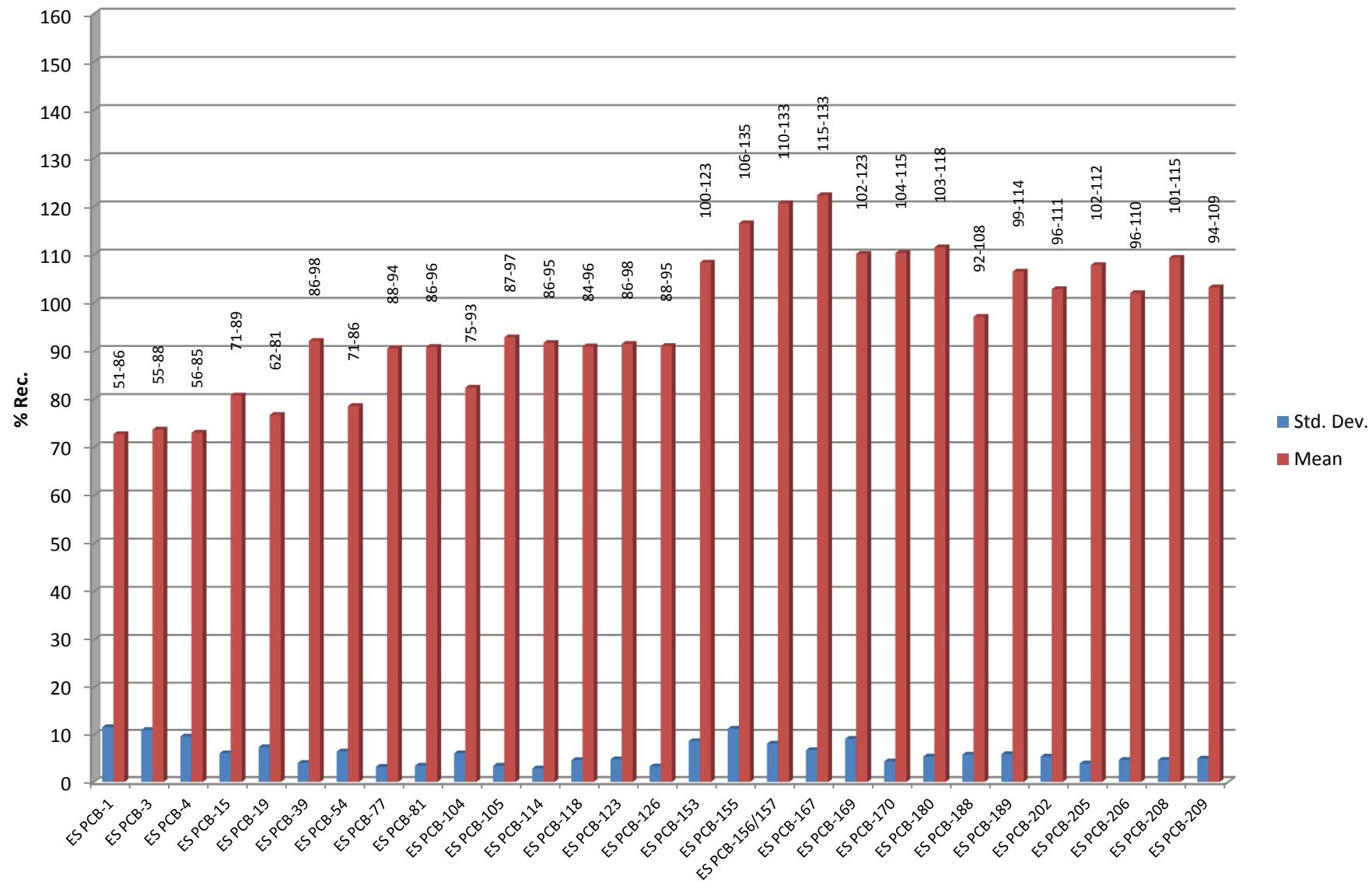
PCB WHO
Project ID: DE River NAPL Delineation Phase III
B1591



Total PCBs
Project ID: DE River NAPL Delineation Phase III
B1591



Mean Recoveries of Extraction Standards (N=6)
Project ID: DE River NAPL Delineation Phase III
B1591



Sample ID: CWKDERIVER3-EQBLK-1						Method 1668A	
<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	The Chemours Company FC, LLC.	Matrix:	Aqueous	Project No.:	B1591	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	0.84 L	Sample ID:	B1591_15329_PCB_001	Date Extracted:	22-Nov-2017
Date Collected:	31-Oct-2017	pH	6	QC Batch No.:	15329	Date Analyzed:	08-Dec-2017
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44'-TeCB	ND	3.24			ES PCB-1	75.6	
PCB-81 344'5-TeCB	ND	3.25			ES PCB-3	75.4	
PCB-105 233'44'-PeCB	EMPC		3.62	J	ES PCB-4	76.2	
PCB-114 2344'5-PeCB	ND	1.35			ES PCB-15	83.2	
PCB-118 23'44'5-PeCB	7.78			J B	ES PCB-19	80.9	
PCB-123 23'44'5-PeCB	ND	1.34			ES PCB-37	92.8	
PCB-126 33'44'5-PeCB	ND	1.23			ES PCB-54	86.5	
PCB-156/157 233'44'5/233'44'5-HxCB	ND	1.9		C	ES PCB-77	94.4	
PCB-167 23'44'55'-HxCB	ND	1.11			ES PCB-81	93.6	
PCB-169 33'44'55'-HxCB	ND	1.44			ES PCB-104	92.9	
PCB-189 233'44'55'-HpCB	ND	1.77			ES PCB-105	96.9	
					ES PCB-114	95	
TEQs (WHO 2005 M/H)					ES PCB-118	96.2	
					ES PCB-123	97.5	
ND = 0	0.000233		0.000342		ES PCB-126	89.2	
ND = 0.5 x DL	0.084		0.0841		ES PCB-153	114	
ND = DL	0.168		0.168		ES PCB-155	120	
					ES PCB-156/157	119	
					ES PCB-167	119	
Totals					ES PCB-169	104	
Mono-CB	ND	1.52			ES PCB-170	113	
Di-CB			30.6		ES PCB-180	118	
Tri-CB	9.48				ES PCB-188	98.2	
Tetra-CB	29.1		32.6		ES PCB-189	111	
Penta-CB	40.1		63		ES PCB-202	105	
Hexa-CB	3.71		24.6		ES PCB-205	112	
Hepta-CB			2.42		ES PCB-206	110	
Octa-CB	ND	1.11			ES PCB-208	115	
Nona-CB	ND	6.53			ES PCB-209	109	
Deca-CB	ND	1.55			CS PCB-28	94.1	
Total PCB (Mono-Deca)	82.4		163		CS PCB-111	100	
					CS PCB-178	92.5	

Checkcode: 401-537-TRK/A

SGS North America - PCB v0.80

Report Created: 18-Dec-2017 15:07 Analyst: MS

Sample ID: CWKDERIVER3-EQBLK-1**Method 1668A**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	The Chemours Company FC, LLC.	Matrix:	Aqueous	Project No.:	B1591	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	0.84 L	Sample ID:	B1591_15329_PCB_001	Date Extracted:	22-Nov-2017
Date Collected:	31-Oct-2017	pH	6	QC Batch No.:	15329	Date Analyzed:	08-Dec-2017
<u>Analyte</u>		<u>Conc.</u>	<u>DL</u>	<u>EMPC</u>	<u>Qualifier</u>	<u>Standard</u>	<u>Recovery</u>
		pg/L	pg/L	pg/L			%
PCB-77 33'44'-TeCB		ND	3.24			ES PCB-1	75.6
PCB-81 344'5-TeCB		ND	3.25			ES PCB-3	75.4
PCB-105 233'44'-PeCB		EMPC		3.62	J	ES PCB-4	76.2
PCB-114 2344'5-PeCB		ND	1.35			ES PCB-15	83.2
PCB-118 23'44'5-PeCB		7.78			J B	ES PCB-19	80.9
PCB-123 23'44'5-PeCB		ND	1.34			ES PCB-37	92.8
PCB-126 33'44'5-PeCB		ND	1.23			ES PCB-54	86.5
PCB-156/157 233'44'5/233'44'5-HxCB		ND	1.9		C	ES PCB-77	94.4
PCB-167 23'44'55'-HxCB		ND	1.11			ES PCB-81	93.6
PCB-169 33'44'55'-HxCB		ND	1.44			ES PCB-104	92.9
PCB-189 233'44'55'-HpCB		ND	1.77			ES PCB-105	96.9
						ES PCB-114	95
TEQs (WHO 1998 M/H)						ES PCB-118	96.2
						ES PCB-123	97.5
ND = 0		0.000778		0.00114		ES PCB-126	89.2
ND = 0.5 x DL		0.0707		0.071		ES PCB-153	114
ND = DL		0.141		0.141		ES PCB-155	120
						ES PCB-156/157	119
Totals						ES PCB-167	119
Mono-CB		ND	1.52			ES PCB-169	104
Di-CB				30.6		ES PCB-170	113
Tri-CB		9.48				ES PCB-180	118
Tetra-CB		29.1		32.6		ES PCB-188	98.2
Penta-CB		40.1		63		ES PCB-189	111
Hexa-CB		3.71		24.6		ES PCB-202	105
Hepta-CB				2.42		ES PCB-205	112
Octa-CB		ND	1.11			ES PCB-206	110
Nona-CB		ND	6.53			ES PCB-208	115
Deca-CB		ND	1.55			ES PCB-209	109
Total PCB (Mono-Deca)		82.4		163		CS PCB-28	94.1
						CS PCB-111	100
						CS PCB-178	92.5

Checkcode: 401-537-TRK/A

SGS North America - PCB v0.80

Report Created: 18-Dec-2017 15:07 Analyst: MS

Sample ID: CWKDERIVER3-EQBLK-1**Method 1668A**

<u>Client Data</u>			<u>Sample Data</u>			<u>Laboratory Data</u>					
Name:	The Chemours Company FC, LLC.		Matrix:	Aqueous		Project No.:	B1591		Date Received:	10-Nov-2017	
Project ID:	DE River NAPL Delineation Phase III		Weight/Volume:	0.84 L		Sample ID:	B1591_15329_PCB_001		Date Extracted:	22-Nov-2017	
Date Collected:	31-Oct-2017		pH	6		QC Batch No.:	15329		Date Analyzed:	08-Dec-2017	
			Units	pg/L		Checkcode:	401-537-TRK/A		Time Analyzed:	11:58:43	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	(1.38)		PCB-19	(3.52)		PCB-54	(1.87)		PCB-72	(3.31)	
PCB-2	(1.74)		PCB-30/18	(2.69)	C	PCB-50/53	(2.98)	C	PCB-68	(3.08)	
PCB-3	(1.67)		PCB-17	(3.1)		PCB-45	(3.74)		PCB-57	(3.45)	
			PCB-27	(2.27)		PCB-51	(2.66)		PCB-58	(3.36)	
Conc.	0		PCB-24	(2.4)		PCB-46	(3.59)		PCB-67	(3.27)	
EMPC	0		PCB-16	(4)		PCB-52	6.29	J	PCB-63	(3.04)	
			PCB-32	(2.21)		PCB-73	(2.43)		PCB-61/70/74/76	10.2	J C
Di	Conc.	Qualifiers	PCB-34	(3.02)		PCB-43	(3.82)		PCB-66	5.02	J
PCB-4	(3.96)		PCB-23	(2.96)		PCB-69/49	[3.48]	J EMPC C	PCB-55	(3.49)	
PCB-10	(2.49)		PCB-26/29	(2.85)	C	PCB-48	(3.19)		PCB-56	(3.82)	
PCB-9	(7.67)		PCB-25	(2.82)		PCB-44/47/65	7.64	J C	PCB-60	(3.72)	
PCB-7	(6.77)		PCB-31	4.1	J	PCB-59/62/75	(2.28)	C	PCB-80	(3.2)	
PCB-6	(7.24)		PCB-28/20	5.38	J C	PCB-42	(3.48)		PCB-79	(3.05)	
PCB-5	(7.1)		PCB-21/33	(2.73)	C	PCB-41	(3.73)		PCB-78	(3.62)	
PCB-8	(6.96)		PCB-22	(3.15)		PCB-71/40	(3.06)	C	PCB-81	(3.25)	
PCB-14	(5.99)		PCB-36	(3.05)		PCB-64	(2.18)		PCB-77	(3.24)	
PCB-11	[30.6]	B EMPC	PCB-39	(2.79)							
PCB-13/12	(6.8)	C	PCB-38	(3.04)							
PCB-15	(6.27)		PCB-35	(3.24)							
			PCB-37	(3.25)							
Conc.	0		Conc.	9.48					Conc.	29.1	
EMPC	30.6		EMPC	9.48					EMPC	32.6	
 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com						Totals	Conc.	EMPC			
						Mono-Tri	9.48			40.1	
						Tetra-Hexa	72.9			120	
						Hepta-Deca	0			2.42	
						Mono-Deca	82.4			163	

Sample ID: CWKDERIVER3-EQBLK-1										Method 1668A		
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	
PCB-104	(0.609)		PCB-108/119/86/97/125/87	7.54	J C	PCB-155	(0.868)		PCB-165	(1.02)		
PCB-96	(0.633)		PCB-117	(1.2)		PCB-152	(0.815)		PCB-146	(1.18)		
PCB-103	(1.41)		PCB-116/85	1.68	J C	PCB-150	(0.837)		PCB-161	(0.938)		
PCB-94	(1.69)		PCB-110	12.2		PCB-136	(0.901)		PCB-153/168	[5.71]	J B EMPC C	
PCB-95	[7.41]	J EMPC	PCB-115	(1.14)		PCB-145	(0.875)		PCB-141	(1.33)		
PCB-100/93	(1.59)	C	PCB-82	(1.95)		PCB-148	(1.15)		PCB-130	(1.52)		
PCB-102	(1.38)		PCB-111	(1.12)		PCB-151/135	3.71	J C	PCB-137	(1.32)		
PCB-98	(1.76)		PCB-120	(1.19)		PCB-154	(1.07)		PCB-164	(0.96)		
PCB-88	(1.76)		PCB-107/124	(1.28)	C	PCB-144	(1.21)		PCB-163/138/129	[8.57]	J EMPC C	
PCB-91	[1.71]	J EMPC	PCB-109	(1.2)		PCB-147/149	[6.64]	J EMPC C	PCB-160	(0.983)		
PCB-84	4.19	J	PCB-123	(1.34)		PCB-134	(1.71)		PCB-158	(0.933)		
PCB-89	(1.74)		PCB-106	(1.24)		PCB-143	(1.12)		PCB-128/166	(1.17)	C	
PCB-121	(1.17)		PCB-118	7.78	J B	PCB-139/140	(1.15)	C	PCB-159	(1.02)		
PCB-92	[1.84]	J EMPC	PCB-122	(1.42)		PCB-131	(1.34)		PCB-162	(1.06)		
PCB-113/90/101	[8.3]	J EMPC C	PCB-114	(1.35)		PCB-142	(1.35)		PCB-167	(1.11)		
PCB-83	(2.14)		PCB-105	[3.62]	J EMPC	PCB-132	(1.33)		PCB-156/157	(1.9)	C	
PCB-99	6.77	J	PCB-127	(1.37)		PCB-133	(1.27)		PCB-169	(1.44)		
PCB-112	(1.24)		PCB-126	(1.23)								
			Conc.	40.1					Conc.	3.71		
			EMPC	63					EMPC	24.6		
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers	
PCB-188	(0.513)		PCB-174	(1.78)		PCB-202	(1.05)		PCB-208	(4.94)		
PCB-179	(0.51)		PCB-177	(1.83)		PCB-201	(0.985)		PCB-207	(4.63)		
PCB-184	(0.54)		PCB-181	(1.6)		PCB-204	(1.04)		PCB-206	(8.11)		
PCB-176	(0.489)		PCB-171/173	(1.81)	C	PCB-197	(0.972)					
PCB-186	(0.534)		PCB-172	(1.8)		PCB-200	(1.03)		Conc.	0		
PCB-178	(0.749)		PCB-192	(1.37)		PCB-198/199	(1.61)	C	EMPC	0		
PCB-175	(1.6)		PCB-180/193	[2.42]	J B EMPC C	PCB-196	(1.58)					
PCB-187	(1.5)		PCB-191	(1.35)		PCB-203	(1.49)		Deca	Conc.	Qualifiers	
PCB-182	(1.47)		PCB-170	(1.97)		PCB-195	(1.43)		PCB-209	(1.55)		
PCB-183	(1.5)		PCB-190	(1.33)		PCB-194	(1.42)					
PCB-185	(1.56)		PCB-189	(1.77)		PCB-205	(1.17)					
			Conc.	0		Conc.	0					
			EMPC	2.42		EMPC	0					

Sample ID: CWKDERIVER3-EQBLK-2**Method 1668A**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	The Chemours Company FC, LLC.	Matrix:	Aqueous	Project No.:	B1591	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	0.87 L	Sample ID:	B1591_15329_PCB_002	Date Extracted:	22-Nov-2017
Date Collected:	01-Nov-2017	pH	5	QC Batch No.:	15329	Date Analyzed:	08-Dec-2017
<u>Analyte</u>		<u>Conc.</u>	<u>DL</u>	<u>EMPC</u>	<u>Qualifier</u>	<u>Standard</u>	<u>Recovery</u>
		pg/L	pg/L	pg/L			%
PCB-77 33'44'-TeCB		ND	4.62			ES PCB-1	74
PCB-81 344'5-TeCB		ND	4.57			ES PCB-3	71.6
PCB-105 233'44'-PeCB		4.51			J	ES PCB-4	71
PCB-114 2344'5-PeCB		ND	2.03			ES PCB-15	79.1
PCB-118 23'44'5-PeCB		7.72			J B	ES PCB-19	78.8
PCB-123 23'44'5-PeCB		ND	2			ES PCB-37	92
PCB-126 33'44'5-PeCB		ND	2.17			ES PCB-54	75.3
PCB-156/157 233'44'5/233'44'5-HxCB		ND	2.62		C	ES PCB-77	88
PCB-167 23'44'55'-HxCB		ND	1.57			ES PCB-81	88.5
PCB-169 33'44'55'-HxCB		ND	1.95			ES PCB-104	82.6
PCB-189 233'44'55'-HpCB		ND	2.95			ES PCB-105	92.2
						ES PCB-114	92.8
TEQs (WHO 2005 M/H)						ES PCB-118	93.8
						ES PCB-123	96.4
ND = 0		0.000367		0.000367		ES PCB-126	90.5
ND = 0.5 x DL		0.139		0.139		ES PCB-153	123
ND = DL		0.278		0.278		ES PCB-155	135
						ES PCB-156/157	133
Totals						ES PCB-167	133
Mono-CB		ND	3.02			ES PCB-169	123
Di-CB		41.5				ES PCB-170	109
Tri-CB				5.42		ES PCB-180	109
Tetra-CB		17.8		29.6		ES PCB-188	108
Penta-CB		12.2		50.8		ES PCB-189	105
Hexa-CB		8.01		21.7		ES PCB-202	111
Hepta-CB				3.29		ES PCB-205	108
Octa-CB		ND	1.6			ES PCB-206	101
Nona-CB		ND	12			ES PCB-208	109
Deca-CB		ND	2.15			ES PCB-209	103
Total PCB (Mono-Deca)		79.5		152		CS PCB-28	90.5
						CS PCB-111	94.4
						CS PCB-178	96.6

Checkcode: 440-485-FBF/A

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Report Created: 18-Dec-2017 15:07 Analyst: MS

Sample ID: CWKDERIVER3-EQBLK-2**Method 1668A**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	The Chemours Company FC, LLC.	Matrix:	Aqueous	Project No.:	B1591	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	0.87 L	Sample ID:	B1591_15329_PCB_002	Date Extracted:	22-Nov-2017
Date Collected:	01-Nov-2017	pH	5	QC Batch No.:	15329	Date Analyzed:	08-Dec-2017
<u>Analyte</u>		<u>Conc.</u>	<u>DL</u>	<u>EMPC</u>	<u>Qualifier</u>	<u>Standard</u>	<u>Recovery</u>
		pg/L	pg/L	pg/L			%
PCB-77 33'44'-TeCB		ND	4.62			ES PCB-1	74
PCB-81 344'5-TeCB		ND	4.57			ES PCB-3	71.6
PCB-105 233'44'-PeCB		4.51			J	ES PCB-4	71
PCB-114 2344'5-PeCB		ND	2.03			ES PCB-15	79.1
PCB-118 23'44'5-PeCB		7.72			J B	ES PCB-19	78.8
PCB-123 23'44'5-PeCB		ND	2			ES PCB-37	92
PCB-126 33'44'5-PeCB		ND	2.17			ES PCB-54	75.3
PCB-156/157 233'44'5/233'44'5-HxCB		ND	2.62		C	ES PCB-77	88
PCB-167 23'44'55'-HxCB		ND	1.57			ES PCB-81	88.5
PCB-169 33'44'55'-HxCB		ND	1.95			ES PCB-104	82.6
PCB-189 233'44'55'-HpCB		ND	2.95			ES PCB-105	92.2
						ES PCB-114	92.8
<u>TEQs (WHO 1998 M/H)</u>						ES PCB-118	93.8
						ES PCB-123	96.4
ND = 0		0.00122		0.00122		ES PCB-126	90.5
ND = 0.5 x DL		0.121		0.121		ES PCB-153	123
ND = DL		0.241		0.241		ES PCB-155	135
						ES PCB-156/157	133
						ES PCB-167	133
<u>Totals</u>						ES PCB-169	123
Mono-CB		ND	3.02			ES PCB-170	109
Di-CB		41.5				ES PCB-180	109
Tri-CB				5.42		ES PCB-188	108
Tetra-CB		17.8		29.6		ES PCB-189	105
Penta-CB		12.2		50.8		ES PCB-202	111
Hexa-CB		8.01		21.7		ES PCB-205	108
Hepta-CB				3.29		ES PCB-206	101
Octa-CB		ND	1.6			ES PCB-208	109
Nona-CB		ND	12			ES PCB-209	103
Deca-CB		ND	2.15			CS PCB-28	90.5
Total PCB (Mono-Deca)		79.5		152		CS PCB-111	94.4
						CS PCB-178	96.6

Checkcode: 440-485-FBF/A

SGS North America - PCB v0.80

Report Created: 18-Dec-2017 15:07 Analyst: MS

Sample ID: CWKDERIVER3-EQBLK-2**Method 1668A**

<u>Client Data</u>			<u>Sample Data</u>			<u>Laboratory Data</u>					
Name:	The Chemours Company FC, LLC.		Matrix:	Aqueous		Project No.:	B1591		Date Received:	10-Nov-2017	
Project ID:	DE River NAPL Delineation Phase III		Weight/Volume:	0.87 L		Sample ID:	B1591_15329_PCB_002		Date Extracted:	22-Nov-2017	
Date Collected:	01-Nov-2017		pH	5		QC Batch No.:	15329		Date Analyzed:	08-Dec-2017	
			Units	pg/L		Checkcode:	440-485-FBF/A		Time Analyzed:	12:56:38	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	(2.75)		PCB-19	(7.66)		PCB-54	(3.29)		PCB-72	(4.66)	
PCB-2	(3.45)		PCB-30/18	(5.85)	C	PCB-50/53	(4.05)	C	PCB-68	(4.32)	
PCB-3	(3.29)		PCB-17	(6.75)		PCB-45	(5.09)		PCB-57	(4.85)	
			PCB-27	(4.95)		PCB-51	(3.62)		PCB-58	(4.72)	
Conc.	0		PCB-24	(5.23)		PCB-46	(4.89)		PCB-67	(4.6)	
EMPC	0		PCB-16	(8.71)		PCB-52	7.53	J	PCB-63	(4.27)	
			PCB-32	(4.82)		PCB-73	(3.31)		PCB-61/70/74/76	10.2	J C
Di	Conc.	Qualifiers	PCB-34	(4.58)		PCB-43	(5.2)		PCB-66	(4.91)	
PCB-4	(7.41)		PCB-23	(4.5)		PCB-69/49	[3.52]	J EMPC C	PCB-55	(4.91)	
PCB-10	(4.66)		PCB-26/29	(4.33)	C	PCB-48	(4.35)		PCB-56	(5.37)	
PCB-9	(8.9)		PCB-25	(4.29)		PCB-44/47/65	[8.37]	J EMPC C	PCB-60	(5.23)	
PCB-7	(7.85)		PCB-31	(4.07)		PCB-59/62/75	(3.1)	C	PCB-80	(4.5)	
PCB-6	(8.4)		PCB-28/20	[5.42]	J EMPC C	PCB-42	(4.74)		PCB-79	(4.28)	
PCB-5	(8.24)		PCB-21/33	(4.16)	C	PCB-41	(5.07)		PCB-78	(5.08)	
PCB-8	(8.08)		PCB-22	(4.79)		PCB-71/40	(4.17)	C	PCB-81	(4.57)	
PCB-14	(6.95)		PCB-36	(4.64)		PCB-64	(2.97)		PCB-77	(4.62)	
PCB-11	41.5	B	PCB-39	(4.23)							
PCB-13/12	(7.89)	C	PCB-38	(4.61)							
PCB-15	(7.27)		PCB-35	(4.93)							
			PCB-37	(4.94)							
Conc.	41.5		Conc.	0					Conc.	17.8	
EMPC	41.5		EMPC	5.42					EMPC	29.6	
 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com						Totals	Conc.	EMPC			
						Mono-Tri	41.5			46.9	
						Tetra-Hexa	38			102	
						Hepta-Deca	0			3.29	
						Mono-Deca	79.5			152	

Sample ID: CWKDERIVER3-EQBLK-2
Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(1.26)		PCB-108/119/86/97/125/87	[6.08]	J EMPC C	PCB-155	(0.828)		PCB-165	(1.13)	
PCB-96	(1.31)		PCB-117	(1.8)		PCB-152	(0.778)		PCB-146	(1.3)	
PCB-103	(2.1)		PCB-116/85	(2.09)	C	PCB-150	(0.799)		PCB-161	(1.04)	
PCB-94	(2.52)		PCB-110	[10.4]	J EMPC	PCB-136	(0.859)		PCB-153/168	[5.46]	J B EMPC C
PCB-95	[6.31]	J EMPC	PCB-115	(1.7)		PCB-145	(0.835)		PCB-141	(1.47)	
PCB-100/93	(2.37)	C	PCB-82	(2.91)		PCB-148	(1.27)		PCB-130	(1.69)	
PCB-102	(2.06)		PCB-111	(1.67)		PCB-151/135	(1.29)	C	PCB-137	(1.47)	
PCB-98	(2.62)		PCB-120	(1.77)		PCB-154	(1.18)		PCB-164	(1.06)	
PCB-88	(2.62)		PCB-107/124	(1.91)	C	PCB-144	(1.34)		PCB-163/138/129	[5.84]	J EMPC C
PCB-91	(2.09)		PCB-109	(1.79)		PCB-147/149	6.4	J C	PCB-160	(1.09)	
PCB-84	[3.8]	J EMPC	PCB-123	(2)		PCB-134	(1.89)		PCB-158	(1.03)	
PCB-89	(2.6)		PCB-106	(1.86)		PCB-143	(1.24)		PCB-128/166	1.61	J C
PCB-121	(1.74)		PCB-118	7.72	JB	PCB-139/140	(1.28)	C	PCB-159	(1.44)	
PCB-92	(2.53)		PCB-122	(2.14)		PCB-131	(1.49)		PCB-162	(1.5)	
PCB-113/90/101	[7.81]	J EMPC C	PCB-114	(2.03)		PCB-142	(1.49)		PCB-167	(1.57)	
PCB-83	[1.24]	J EMPC	PCB-105	4.51	J	PCB-132	[2.43]	J EMPC	PCB-156/157	(2.62)	C
PCB-99	[2.99]	J EMPC	PCB-127	(2.13)		PCB-133	(1.41)		PCB-169	(1.95)	
PCB-112	(1.84)		PCB-126	(2.17)							
			Conc.	12.2					Conc.	8.01	
			EMPC	50.8					EMPC	21.7	

Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(1.57)		PCB-174	(3.15)		PCB-202	(1.12)		PCB-208	(7.91)	
PCB-179	(1.56)		PCB-177	(3.23)		PCB-201	(1.05)		PCB-207	(7.42)	
PCB-184	(1.65)		PCB-181	(2.82)		PCB-204	(1.11)		PCB-206	(16)	
PCB-176	(1.5)		PCB-171/173	(3.2)	C	PCB-197	(1.04)				
PCB-186	(1.63)		PCB-172	(3.19)		PCB-200	(1.1)			Conc.	0
PCB-178	(2.29)		PCB-192	(2.42)		PCB-198/199	(1.71)	C	EMPC	0	
PCB-175	(2.83)		PCB-180/193	[3.29]	J B EMPC C	PCB-196	(1.68)				
PCB-187	(2.65)		PCB-191	(2.38)		PCB-203	(1.59)			Deca	Conc.
PCB-182	(2.61)		PCB-170	(3.45)		PCB-195	(2.54)		PCB-209	(2.15)	Qualifiers
PCB-183	(2.66)		PCB-190	(2.32)		PCB-194	(2.5)				
PCB-185	(2.76)		PCB-189	(2.95)		PCB-205	(2.07)				
			Conc.	0		Conc.	0				
			EMPC	3.29		EMPC	0				

Sample ID: CWKDERIVER3-EQBLK-3**Method 1668A**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	The Chemours Company FC, LLC.	Matrix:	Aqueous	Project No.:	B1591	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	0.97 L	Sample ID:	B1591_15329_PCB_003	Date Extracted:	22-Nov-2017
Date Collected:	02-Nov-2017	pH	4	QC Batch No.:	15329	Date Analyzed:	08-Dec-2017
<u>Analyte</u>		<u>Conc.</u>	<u>DL</u>	<u>EMPC</u>	<u>Qualifier</u>	<u>Standard</u>	<u>Recovery</u>
		pg/L	pg/L	pg/L			%
PCB-77 33'44'-TeCB		ND	3.43			ES PCB-1	74.4
PCB-81 344'5-TeCB		ND	3.43			ES PCB-3	78.5
PCB-105 233'44'-PeCB		7.7			J	ES PCB-4	76.2
PCB-114 2344'5-PeCB		ND	1.04			ES PCB-15	83.1
PCB-118 23'44'5-PeCB		15.9			B	ES PCB-19	76.9
PCB-123 23'44'5-PeCB		ND	1.1			ES PCB-37	93.6
PCB-126 33'44'5-PeCB		ND	1.35			ES PCB-54	80
PCB-156/157 233'44'5/233'44'5-HxCB		3.68			J C	ES PCB-77	87.8
PCB-167 23'44'55'-HxCB		ND	1.07			ES PCB-81	89.8
PCB-169 33'44'55'-HxCB		ND	1.35			ES PCB-104	83.3
PCB-189 233'44'55'-HpCB		ND	1.13			ES PCB-105	93.6
						ES PCB-114	92.1
TEQs (WHO 2005 M/H)						ES PCB-118	84.5
						ES PCB-123	86.5
ND = 0		0.000819		0.000819		ES PCB-126	95.3
ND = 0.5 x DL		0.0893		0.0893		ES PCB-153	102
ND = DL		0.178		0.178		ES PCB-155	108
						ES PCB-156/157	110
Totals						ES PCB-167	115
Mono-CB		3.66		5.32		ES PCB-169	102
Di-CB				28.1		ES PCB-170	104
Tri-CB		4.97				ES PCB-180	103
Tetra-CB		12		29.8		ES PCB-188	91.8
Penta-CB		39		74.2		ES PCB-189	98.8
Hexa-CB		30.5		56.7		ES PCB-202	95.7
Hepta-CB		15.2		18.4		ES PCB-205	102
Octa-CB		3.46				ES PCB-206	96.1
Nona-CB		ND	7.82			ES PCB-208	101
Deca-CB		ND	1.9			ES PCB-209	94.2
Total PCB (Mono-Deca)		109		221		CS PCB-28	101
						CS PCB-111	89.4
						CS PCB-178	85

Checkcode: 567-056-TPC/A

SGS North America - PCB v0.80

Report Created: 18-Dec-2017 15:08 Analyst: MS

Sample ID: CWKDERIVER3-EQBLK-3					Method 1668A		
<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	The Chemours Company FC, LLC.	Matrix:	Aqueous	Project No.:	B1591	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	0.97 L	Sample ID:	B1591_15329_PCB_003	Date Extracted:	22-Nov-2017
Date Collected:	02-Nov-2017	pH	4	QC Batch No.:	15329	Date Analyzed:	08-Dec-2017
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44'-TeCB	ND	3.43			ES PCB-1	74.4	
PCB-81 344'5-TeCB	ND	3.43			ES PCB-3	78.5	
PCB-105 233'44'-PeCB	7.7			J	ES PCB-4	76.2	
PCB-114 2344'5-PeCB	ND	1.04			ES PCB-15	83.1	
PCB-118 23'44'5-PeCB	15.9			B	ES PCB-19	76.9	
PCB-123 23'44'5-PeCB	ND	1.1			ES PCB-37	93.6	
PCB-126 33'44'5-PeCB	ND	1.35			ES PCB-54	80	
PCB-156/157 233'44'5/233'44'5-HxCB	3.68			J C	ES PCB-77	87.8	
PCB-167 23'44'55'-HxCB	ND	1.07			ES PCB-81	89.8	
PCB-169 33'44'55'-HxCB	ND	1.35			ES PCB-104	83.3	
PCB-189 233'44'55'-HpCB	ND	1.13			ES PCB-105	93.6	
					ES PCB-114	92.1	
TEQs (WHO 1998 M/H)					ES PCB-118	84.5	
					ES PCB-123	86.5	
ND = 0	0.0042		0.0042		ES PCB-126	95.3	
ND = 0.5 x DL	0.0792		0.0792		ES PCB-153	102	
ND = DL	0.154		0.154		ES PCB-155	108	
					ES PCB-156/157	110	
					ES PCB-167	115	
Totals							
Mono-CB	3.66		5.32		ES PCB-169	102	
Di-CB			28.1		ES PCB-170	104	
Tri-CB	4.97				ES PCB-180	103	
Tetra-CB	12		29.8		ES PCB-188	91.8	
Penta-CB	39		74.2		ES PCB-189	98.8	
Hexa-CB	30.5		56.7		ES PCB-202	95.7	
Hepta-CB	15.2		18.4		ES PCB-205	102	
Octa-CB	3.46				ES PCB-206	96.1	
Nona-CB	ND	7.82			ES PCB-208	101	
Deca-CB	ND	1.9			ES PCB-209	94.2	
Total PCB (Mono-Deca)	109		221		CS PCB-28	101	
					CS PCB-111	89.4	
					CS PCB-178	85	

Checkcode: 567-056-TPC/A

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Report Created: 18-Dec-2017 15:08 Analyst: MS

Sample ID: CWKDERIVER3-EQBLK-3**Method 1668A**

<u>Client Data</u>			<u>Sample Data</u>			<u>Laboratory Data</u>					
Name:	The Chemours Company FC, LLC.		Matrix:	Aqueous		Project No.:	B1591		Date Received:	10-Nov-2017	
Project ID:	DE River NAPL Delineation Phase III		Weight/Volume:	0.97 L		Sample ID:	B1591_15329_PCB_003		Date Extracted:	22-Nov-2017	
Date Collected:	02-Nov-2017		pH	4		QC Batch No.:	15329		Date Analyzed:	08-Dec-2017	
			Units	pg/L		Checkcode:	567-056-TPC/A		Time Analyzed:	13:54:33	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	3.66	J	PCB-19	(3.81)		PCB-54	(1.94)		PCB-72	(3.5)	
PCB-2	[1.66]	J EMPC	PCB-30/18	(2.91)	C	PCB-50/53	(3.37)	C	PCB-68	(3.25)	
PCB-3	(1.5)		PCB-17	(3.36)		PCB-45	(4.23)		PCB-57	(3.65)	
			PCB-27	(2.46)		PCB-51	(3.01)		PCB-58	(3.55)	
Conc.	3.66		PCB-24	(2.6)		PCB-46	(4.06)		PCB-67	(3.46)	
EMPC	5.32		PCB-16	(4.33)		PCB-52	6.64	J	PCB-63	(3.21)	
			PCB-32	(2.4)		PCB-73	(2.75)		PCB-61/70/74/76	[8.52]	J EMPC C
Di	Conc.	Qualifiers	PCB-34	(3.32)		PCB-43	(4.32)		PCB-66	5.38	J
PCB-4	(4.12)		PCB-23	(3.26)		PCB-69/49	(2.98)	C	PCB-55	(3.69)	
PCB-10	(2.59)		PCB-26/29	(3.14)	C	PCB-48	(3.61)		PCB-56	(4.03)	
PCB-9	(5.51)		PCB-25	(3.11)		PCB-44/47/65	[9.23]	J EMPC C	PCB-60	(3.93)	
PCB-7	(4.86)		PCB-31	(2.94)		PCB-59/62/75	(2.58)	C	PCB-80	(3.38)	
PCB-6	(5.21)		PCB-28/20	4.97	J C	PCB-42	(3.94)		PCB-79	(3.22)	
PCB-5	(5.1)		PCB-21/33	(3.01)	C	PCB-41	(4.22)		PCB-78	(3.82)	
PCB-8	(5)		PCB-22	(3.47)		PCB-71/40	(3.46)	C	PCB-81	(3.43)	
PCB-14	(4.31)		PCB-36	(3.36)		PCB-64	(2.47)		PCB-77	(3.43)	
PCB-11	[28.1]	B EMPC	PCB-39	(3.07)							
PCB-13/12	(4.88)	C	PCB-38	(3.34)							
PCB-15	(4.5)		PCB-35	(3.57)							
			PCB-37	(3.58)							
Conc.	0		Conc.	4.97					Conc.	12	
EMPC	28.1		EMPC	4.97					EMPC	29.8	
 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com						Totals	Conc.	EMPC			
						Mono-Tri	8.62			38.4	
						Tetra-Hexa	81.5			161	
						Hepta-Deca	18.6			21.9	
						Mono-Deca	109			221	

Sample ID: CWKDERIVER3-EQBLK-3										Method 1668A		
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	
PCB-104	(0.933)		PCB-108/119/86/97/125/87	8.09	J C	PCB-155	(0.586)		PCB-165	(0.776)		
PCB-96	(0.97)		PCB-117	(0.99)		PCB-152	(0.55)		PCB-146	[2.03]	J EMPC	
PCB-103	(1.16)		PCB-116/85	2.58	J C	PCB-150	(0.565)		PCB-161	(0.712)		
PCB-94	(1.39)		PCB-110	[13.3]	EMPC	PCB-136	[1.91]	J EMPC	PCB-153/168	[10.9]	J B EMPC C	
PCB-95	[7.77]	J EMPC	PCB-115	(0.939)		PCB-145	(0.591)		PCB-141	[2.65]	J EMPC	
PCB-100/93	(1.3)	C	PCB-82	(1.6)		PCB-148	(0.871)		PCB-130	(1.16)		
PCB-102	(1.14)		PCB-111	(0.923)		PCB-151/135	[4.49]	J EMPC C	PCB-137	(1.01)		
PCB-98	(1.44)		PCB-120	(0.976)		PCB-154	(0.81)		PCB-164	(0.729)		
PCB-88	(1.45)		PCB-107/124	(1.05)	C	PCB-144	(0.919)		PCB-163/138/129	16.6	J C	
PCB-91	(1.15)		PCB-109	(0.986)		PCB-147/149	10.2	J C	PCB-160	(0.746)		
PCB-84	[3.32]	J EMPC	PCB-123	(1.1)		PCB-134	(1.3)		PCB-158	[2.21]	J EMPC	
PCB-89	(1.43)		PCB-106	(1.02)		PCB-143	(0.847)		PCB-128/166	(1.13)	C	
PCB-121	(0.958)		PCB-118	15.9	B	PCB-139/140	(0.874)	C	PCB-159	(0.987)		
PCB-92	(1.4)		PCB-122	(1.09)		PCB-131	(1.02)		PCB-162	(1.03)		
PCB-113/90/101	[10.8]	J EMPC C	PCB-114	(1.04)		PCB-142	(1.02)		PCB-167	(1.07)		
PCB-83	(1.76)		PCB-105	7.7	J	PCB-132	[2.03]	J EMPC	PCB-156/157	3.68	J C	
PCB-99	4.7	J	PCB-127	(1.05)		PCB-133	(0.963)		PCB-169	(1.35)		
PCB-112	(1.02)		PCB-126	(1.35)								
			Conc.	39					Conc.	30.5		
			EMPC	74.2					EMPC	56.7		
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers	
PCB-188	(0.666)		PCB-174	(1.86)		PCB-202	(0.752)		PCB-208	(5.54)		
PCB-179	(0.662)		PCB-177	(1.92)		PCB-201	(0.706)		PCB-207	(5.19)		
PCB-184	(0.701)		PCB-181	(1.67)		PCB-204	(0.745)		PCB-206	(10.1)		
PCB-176	(0.635)		PCB-171/173	(1.9)	C	PCB-197	(0.696)					
PCB-186	(0.692)		PCB-172	(1.89)		PCB-200	(0.74)		Conc.	0		
PCB-178	(0.972)		PCB-192	(1.43)		PCB-198/199	(1.15)	C	EMPC	0		
PCB-175	(1.68)		PCB-180/193	11.4	J B C	PCB-196	(1.13)					
PCB-187	3.73	J	PCB-191	(1.41)		PCB-203	(1.07)		Deca	Conc.	Qualifiers	
PCB-182	(1.54)		PCB-170	[3.27]	J EMPC	PCB-195	(1.53)		PCB-209	(1.9)		
PCB-183	(1.58)		PCB-190	(1.45)		PCB-194	3.46	J				
PCB-185	(1.64)		PCB-189	(1.13)		PCB-205	(1.25)					
			Conc.	15.2		Conc.	3.46					
			EMPC	18.4		EMPC	3.46					

Sample ID: CWKDERIVER3-EQBLK-4**Method 1668A**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	The Chemours Company FC, LLC.	Matrix:	Aqueous	Project No.:	B1591	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	0.88 L	Sample ID:	B1591_15329_PCB_004	Date Extracted:	22-Nov-2017
Date Collected:	04-Nov-2017	pH	5	QC Batch No.:	15329	Date Analyzed:	08-Dec-2017
<u>Analyte</u>		<u>Conc.</u>	<u>DL</u>	<u>EMPC</u>	<u>Qualifier</u>	<u>Standard</u>	<u>Recovery</u>
		pg/L	pg/L	pg/L			%
PCB-77 33'44'-TeCB		ND	1.58			ES PCB-1	50.8
PCB-81 344'5-TeCB		ND	1.57			ES PCB-3	54.8
PCB-105 233'44'-PeCB		2.9			J	ES PCB-4	55.7
PCB-114 2344'5-PeCB		ND	0.787			ES PCB-15	70.9
PCB-118 23'44'5-PeCB		7.15			J B	ES PCB-19	62
PCB-123 23'44'5-PeCB		ND	0.792			ES PCB-37	90.1
PCB-126 33'44'5-PeCB		ND	0.973			ES PCB-54	73.7
PCB-156/157 233'44'5/233'44'5-HxCB		ND	1.14		C	ES PCB-77	91
PCB-167 23'44'55'-HxCB		ND	0.71			ES PCB-81	90.7
PCB-169 33'44'55'-HxCB		ND	0.805			ES PCB-104	74.7
PCB-189 233'44'55'-HpCB		ND	0.947			ES PCB-105	87
<hr/>							
<u>TEQs (WHO 2005 M/H)</u>							
<hr/>							
ND = 0		0.000301		0.000301		ES PCB-118	86.8
ND = 0.5 x DL		0.0614		0.0614		ES PCB-123	86.2
ND = DL		0.122		0.122		ES PCB-126	87.6
<hr/>							
Totals						ES PCB-153	106
Mono-CB		ND	1.29			ES PCB-155	108
Di-CB		24.5				ES PCB-156/157	117
Tri-CB		10.3				ES PCB-167	120
Tetra-CB		27				ES PCB-169	109
Penta-CB		32.9		41.4		ES PCB-170	115
Hexa-CB		11.4		23.3		ES PCB-180	113
Hepta-CB				6.57		ES PCB-188	93.9
Octa-CB		ND	0.781			ES PCB-189	109
Nona-CB		ND	3.3			ES PCB-202	98.2
Deca-CB		ND	0.919			ES PCB-205	105
Total PCB (Mono-Deca)		106		133		ES PCB-206	101
						ES PCB-208	109
						ES PCB-209	104
						CS PCB-28	95
						CS PCB-111	94.5
						CS PCB-178	90.9

Checkcode: 602-298-YSK/A

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Report Created: 18-Dec-2017 15:08 Analyst: MS

Sample ID: CWKDERIVER3-EQBLK-4**Method 1668A**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	The Chemours Company FC, LLC.	Matrix:	Aqueous	Project No.:	B1591	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	0.88 L	Sample ID:	B1591_15329_PCB_004	Date Extracted:	22-Nov-2017
Date Collected:	04-Nov-2017	pH	5	QC Batch No.:	15329	Date Analyzed:	08-Dec-2017
<u>Analyte</u>		<u>Conc.</u>	<u>DL</u>	<u>EMPC</u>	<u>Qualifier</u>	<u>Standard</u>	<u>Recovery</u>
		pg/L	pg/L	pg/L			%
PCB-77 33'44'-TeCB		ND	1.58			ES PCB-1	50.8
PCB-81 344'5-TeCB		ND	1.57			ES PCB-3	54.8
PCB-105 233'44'-PeCB		2.9			J	ES PCB-4	55.7
PCB-114 2344'5-PeCB		ND	0.787			ES PCB-15	70.9
PCB-118 23'44'5-PeCB		7.15			J B	ES PCB-19	62
PCB-123 23'44'5-PeCB		ND	0.792			ES PCB-37	90.1
PCB-126 33'44'5-PeCB		ND	0.973			ES PCB-54	73.7
PCB-156/157 233'44'5/233'44'5-HxCB		ND	1.14		C	ES PCB-77	91
PCB-167 23'44'55'-HxCB		ND	0.71			ES PCB-81	90.7
PCB-169 33'44'55'-HxCB		ND	0.805			ES PCB-104	74.7
PCB-189 233'44'55'-HpCB		ND	0.947			ES PCB-105	87
<hr/>							
<u>TEQs (WHO 1998 M/H)</u>						ES PCB-114	86.5
						ES PCB-118	86.8
						ES PCB-123	86.2
ND = 0		0.001		0.001		ES PCB-126	87.6
ND = 0.5 x DL		0.0544		0.0544		ES PCB-153	106
ND = DL		0.108		0.108		ES PCB-155	108
<u>Totals</u>						ES PCB-156/157	117
Mono-CB		ND	1.29			ES PCB-167	120
Di-CB		24.5				ES PCB-169	109
Tri-CB		10.3				ES PCB-170	115
Tetra-CB		27				ES PCB-180	113
Penta-CB		32.9		41.4		ES PCB-188	93.9
Hexa-CB		11.4		23.3		ES PCB-189	109
Hepta-CB				6.57		ES PCB-202	98.2
Octa-CB		ND	0.781			ES PCB-205	105
Nona-CB		ND	3.3			ES PCB-206	101
Deca-CB		ND	0.919			ES PCB-208	109
Total PCB (Mono-Deca)		106		133		ES PCB-209	104
						CS PCB-28	95
						CS PCB-111	94.5
						CS PCB-178	90.9

Checkcode: 602-298-YSK/A

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Report Created: 18-Dec-2017 15:08 Analyst: MS

Sample ID: CWKDERIVER3-EQBLK-4**Method 1668A**

<u>Client Data</u>			<u>Sample Data</u>			<u>Laboratory Data</u>					
Name:	The Chemours Company FC, LLC.		Matrix:	Aqueous		Project No.:	B1591		Date Received:	10-Nov-2017	
Project ID:	DE River NAPL Delineation Phase III		Weight/Volume:	0.88 L		Sample ID:	B1591_15329_PCB_004		Date Extracted:	22-Nov-2017	
Date Collected:	04-Nov-2017		pH	5		QC Batch No.:	15329		Date Analyzed:	08-Dec-2017	
			Units	pg/L		Checkcode:	602-298-YSK/A		Time Analyzed:	14:52:29	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	(1.24)		PCB-19	(2.79)		PCB-54	(1.18)		PCB-72	(1.6)	
PCB-2	(1.4)		PCB-30/18	3.15	J C	PCB-50/53	(1.28)	C	PCB-68	(1.49)	
PCB-3	(1.34)		PCB-17	(2.46)		PCB-45	(1.61)		PCB-57	(1.67)	
			PCB-27	(1.81)		PCB-51	(1.14)		PCB-58	(1.62)	
Conc.	0		PCB-24	(1.91)		PCB-46	(1.54)		PCB-67	(1.58)	
EMPC	0		PCB-16	(3.17)		PCB-52	4.78	J	PCB-63	(1.47)	
			PCB-32	(1.76)		PCB-73	(1.04)		PCB-61/70/74/76	7.1	J C
Di	Conc.	Qualifiers	PCB-34	(1.98)		PCB-43	(1.64)		PCB-66	4.07	J
PCB-4	(5.16)		PCB-23	(1.94)		PCB-69/49	2.24	J C	PCB-55	(1.69)	
PCB-10	(3.25)		PCB-26/29	(1.87)	C	PCB-48	(1.37)		PCB-56	(1.85)	
PCB-9	(3.41)		PCB-25	(1.85)		PCB-44/47/65	8.8	J C	PCB-60	(1.8)	
PCB-7	(3.01)		PCB-31	3.16	J	PCB-59/62/75	(0.978)	C	PCB-80	(1.55)	
PCB-6	(3.22)		PCB-28/20	3.99	J C	PCB-42	(1.49)		PCB-79	(1.47)	
PCB-5	(3.16)		PCB-21/33	(1.79)	C	PCB-41	(1.6)		PCB-78	(1.75)	
PCB-8	(3.1)		PCB-22	(2.07)		PCB-71/40	(1.31)	C	PCB-81	(1.57)	
PCB-14	(2.67)		PCB-36	(2)		PCB-64	(0.937)		PCB-77	(1.58)	
PCB-11	24.5	B	PCB-39	(1.83)							
PCB-13/12	(3.02)	C	PCB-38	(1.99)							
PCB-15	(2.79)		PCB-35	(2.12)							
			PCB-37	(2.13)							
Conc.	24.5		Conc.	10.3					Conc.	27	
EMPC	24.5		EMPC	10.3					EMPC	27	
 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com						Totals	Conc.	EMPC			
						Mono-Tri	34.8				
						Tetra-Hexa	71.3				
						Hepta-Deca	0				
						Mono-Deca	106				

Sample ID: CWKDERIVER3-EQBLK-4										Method 1668A		
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	
PCB-104	(0.651)		PCB-108/119/86/97/125/87	6.05	J C	PCB-155	(0.594)		PCB-165	(0.615)		
PCB-96	(0.676)		PCB-117	(0.713)		PCB-152	(0.558)		PCB-146	[1.25]	J EMPC	
PCB-103	(0.833)		PCB-116/85	(0.828)	C	PCB-150	(0.573)		PCB-161	(0.564)		
PCB-94	(1)		PCB-110	9.48	J	PCB-136	(0.616)		PCB-153/168	[5.46]	J B EMPC C	
PCB-95	[4.94]	J EMPC	PCB-115	(0.676)		PCB-145	(0.599)		PCB-141	(0.799)		
PCB-100/93	(0.939)	C	PCB-82	(1.15)		PCB-148	(0.69)		PCB-130	(0.916)		
PCB-102	(0.819)		PCB-111	(0.664)		PCB-151/135	(0.701)	C	PCB-137	(0.797)		
PCB-98	(1.04)		PCB-120	(0.703)		PCB-154	(0.642)		PCB-164	(0.577)		
PCB-88	(1.04)		PCB-107/124	(0.757)	C	PCB-144	(0.728)		PCB-163/138/129	8.87	J C	
PCB-91	(0.829)		PCB-109	(0.71)		PCB-147/149	[5.2]	J EMPC C	PCB-160	(0.591)		
PCB-84	(1.12)		PCB-123	(0.792)		PCB-134	(1.03)		PCB-158	(0.561)		
PCB-89	(1.03)		PCB-106	(0.736)		PCB-143	(0.671)		PCB-128/166	(0.745)	C	
PCB-121	(0.69)		PCB-118	7.15	J B	PCB-139/140	(0.692)	C	PCB-159	(0.654)		
PCB-92	(1)		PCB-122	(0.831)		PCB-131	(0.809)		PCB-162	(0.68)		
PCB-113/90/101	7.33	J C	PCB-114	(0.787)		PCB-142	(0.81)		PCB-167	(0.71)		
PCB-83	(1.27)		PCB-105	2.9	J	PCB-132	2.53	J	PCB-156/157	(1.14)	C	
PCB-99	[3.56]	J EMPC	PCB-127	(0.778)		PCB-133	(0.763)		PCB-169	(0.805)		
PCB-112	(0.731)		PCB-126	(0.973)								
			Conc.	32.9					Conc.	11.4		
			EMPC	41.4					EMPC	23.3		
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers	
PCB-188	(0.343)		PCB-174	[2.2]	J EMPC	PCB-202	(0.596)		PCB-208	(2.35)		
PCB-179	(0.341)		PCB-177	(0.951)		PCB-201	(0.559)		PCB-207	(2.2)		
PCB-184	(0.361)		PCB-181	(0.83)		PCB-204	(0.59)		PCB-206	(4.25)		
PCB-176	(0.327)		PCB-171/173	(0.942)	C	PCB-197	(0.552)					
PCB-186	(0.357)		PCB-172	(0.937)		PCB-200	(0.586)		Conc.	0		
PCB-178	(0.5)		PCB-192	(0.712)		PCB-198/199	(0.912)	C	EMPC	0		
PCB-175	(0.834)		PCB-180/193	[3.05]	J B EMPC C	PCB-196	(0.894)					
PCB-187	[1.32]	J EMPC	PCB-191	(0.701)		PCB-203	(0.844)		Deca	Conc.	Qualifiers	
PCB-182	(0.767)		PCB-170	(0.973)		PCB-195	(1.18)		PCB-209	(0.919)		
PCB-183	(0.783)		PCB-190	(0.656)		PCB-194	(1.17)					
PCB-185	(0.814)		PCB-189	(0.947)		PCB-205	(0.966)					
			Conc.	0		Conc.	0					
			EMPC	6.57		EMPC	0					

Sample ID: CWKDERIVER3-EQBLK-5**Method 1668A**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	The Chemours Company FC, LLC.	Matrix:	Aqueous	Project No.:	B1591	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	0.97 L	Sample ID:	B1591_15329_PCB_005	Date Extracted:	22-Nov-2017
Date Collected:	06-Nov-2017	pH	4	QC Batch No.:	15329	Date Analyzed:	08-Dec-2017
<u>Analyte</u>		<u>Conc.</u>	<u>DL</u>	<u>EMPC</u>	<u>Qualifier</u>	<u>Standard</u>	<u>Recovery</u>
		pg/L	pg/L	pg/L			%
PCB-77 33'44'-TeCB		ND	2.98			ES PCB-1	85.9
PCB-81 344'5-TeCB		ND	2.83			ES PCB-3	88.5
PCB-105 233'44'-PeCB		3.34			J	ES PCB-4	84.8
PCB-114 2344'5-PeCB		ND	1.69			ES PCB-15	89.1
PCB-118 23'44'5-PeCB		5.08			J B	ES PCB-19	81
PCB-123 23'44'5-PeCB		ND	1.51			ES PCB-37	98.1
PCB-126 33'44'5-PeCB		ND	1.37			ES PCB-54	85.3
PCB-156/157 233'44'5/233'44'5-HxCB		ND	1.9		C	ES PCB-77	94.2
PCB-167 23'44'55'-HxCB		ND	1.15			ES PCB-81	95.9
PCB-169 33'44'55'-HxCB		ND	1.34			ES PCB-104	82.1
PCB-189 233'44'55'-HpCB		ND	1.2			ES PCB-105	91.9
						ES PCB-114	90.9
<u>TEQs (WHO 2005 M/H)</u>						ES PCB-118	90
						ES PCB-123	92
ND = 0		0.000253		0.000253		ES PCB-126	94.9
ND = 0.5 x DL		0.0897		0.0897		ES PCB-153	105
ND = DL		0.179		0.179		ES PCB-155	122
						ES PCB-156/157	127
Totals						ES PCB-167	128
Mono-CB		ND	1.47			ES PCB-169	120
Di-CB		25.7				ES PCB-170	114
Tri-CB		4.72				ES PCB-180	116
Tetra-CB		12.9		18.9		ES PCB-188	94
Penta-CB		21.9		26.8		ES PCB-189	114
Hexa-CB		18.6				ES PCB-202	103
Hepta-CB		ND	1.25			ES PCB-205	112
Octa-CB		ND	1.2			ES PCB-206	104
Nona-CB		ND	6.96			ES PCB-208	112
Deca-CB		ND	2.29			ES PCB-209	106
Total PCB (Mono-Deca)		83.8		94.8		CS PCB-28	102
						CS PCB-111	91.9
						CS PCB-178	85.7

Checkcode: 917-607-QTJ/A

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Report Created: 18-Dec-2017 15:08 Analyst: MS

Sample ID: CWKDERIVER3-EQBLK-5					Method 1668A		
<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	The Chemours Company FC, LLC.	Matrix:	Aqueous	Project No.:	B1591	Date Received:	10-Nov-2017
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	0.97 L	Sample ID:	B1591_15329_PCB_005	Date Extracted:	22-Nov-2017
Date Collected:	06-Nov-2017	pH	4	QC Batch No.:	15329	Date Analyzed:	08-Dec-2017
Analyte	Conc.	DL	EMPC	Qualifier	Standard	Recovery	
	pg/L	pg/L	pg/L			%	
PCB-77 33'44'-TeCB	ND	2.98			ES PCB-1	85.9	
PCB-81 344'5-TeCB	ND	2.83			ES PCB-3	88.5	
PCB-105 233'44'-PeCB	3.34			J	ES PCB-4	84.8	
PCB-114 2344'5-PeCB	ND	1.69			ES PCB-15	89.1	
PCB-118 23'44'5-PeCB	5.08			J B	ES PCB-19	81	
PCB-123 23'44'5-PeCB	ND	1.51			ES PCB-37	98.1	
PCB-126 33'44'5-PeCB	ND	1.37			ES PCB-54	85.3	
PCB-156/157 233'44'5/233'44'5-HxCB	ND	1.9		C	ES PCB-77	94.2	
PCB-167 23'44'55'-HxCB	ND	1.15			ES PCB-81	95.9	
PCB-169 33'44'55'-HxCB	ND	1.34			ES PCB-104	82.1	
PCB-189 233'44'55'-HpCB	ND	1.2			ES PCB-105	91.9	
					ES PCB-114	90.9	
TEQs (WHO 1998 M/H)					ES PCB-118	90	
					ES PCB-123	92	
ND = 0	0.000843		0.000843		ES PCB-126	94.9	
ND = 0.5 x DL	0.0775		0.0775		ES PCB-153	105	
ND = DL	0.154		0.154		ES PCB-155	122	
					ES PCB-156/157	127	
					ES PCB-167	128	
Totals							
Mono-CB	ND	1.47			ES PCB-169	120	
Di-CB	25.7				ES PCB-170	114	
Tri-CB	4.72				ES PCB-180	116	
Tetra-CB	12.9		18.9		ES PCB-188	94	
Penta-CB	21.9		26.8		ES PCB-189	114	
Hexa-CB	18.6				ES PCB-202	103	
Hepta-CB	ND	1.25			ES PCB-205	112	
Octa-CB	ND	1.2			ES PCB-206	104	
Nona-CB	ND	6.96			ES PCB-208	112	
Deca-CB	ND	2.29			ES PCB-209	106	
Total PCB (Mono-Deca)	83.8		94.8		CS PCB-28	102	
					CS PCB-111	91.9	
					CS PCB-178	85.7	

Checkcode: 917-607-QTJ/A

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Report Created: 18-Dec-2017 15:08 Analyst: MS

Sample ID: CWKDERIVER3-EQBLK-5**Method 1668A**

<u>Client Data</u>			<u>Sample Data</u>			<u>Laboratory Data</u>					
Name:	The Chemours Company FC, LLC.		Matrix:	Aqueous		Project No.:	B1591		Date Received:	10-Nov-2017	
Project ID:	DE River NAPL Delineation Phase III		Weight/Volume:	0.97 L		Sample ID:	B1591_15329_PCB_005		Date Extracted:	22-Nov-2017	
Date Collected:	06-Nov-2017		pH	4		QC Batch No.:	15329		Date Analyzed:	08-Dec-2017	
			Units	pg/L		Checkcode:	917-607-QTJ/A		Time Analyzed:	15:50:23	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Qualifiers
PCB-1	(1.36)		PCB-19	(4.02)		PCB-54	(1.94)		PCB-72	(2.89)	
PCB-2	(1.65)		PCB-30/18	(3.07)	C	PCB-50/53	(2.61)	C	PCB-68	(2.68)	
PCB-3	(1.58)		PCB-17	(3.54)		PCB-45	(3.28)		PCB-57	(3.01)	
			PCB-27	(2.6)		PCB-51	(2.33)		PCB-58	(2.93)	
Conc.	0		PCB-24	(2.74)		PCB-46	(3.15)		PCB-67	(2.85)	
EMPC	0		PCB-16	(4.57)		PCB-52	5.39	J	PCB-63	(2.65)	
			PCB-32	(2.53)		PCB-73	(2.13)		PCB-61/70/74/76	5.5	J C
Di	Conc.	Qualifiers	PCB-34	(2.85)		PCB-43	(3.35)		PCB-66	(3.04)	
PCB-4	(5.11)		PCB-23	(2.8)		PCB-69/49	1.98	J C	PCB-55	(3.04)	
PCB-10	(3.21)		PCB-26/29	(2.69)	C	PCB-48	(2.8)		PCB-56	(3.33)	
PCB-9	(5.2)		PCB-25	(2.67)		PCB-44/47/65	[6.07]	J EMPC C	PCB-60	(3.24)	
PCB-7	(4.59)		PCB-31	(2.53)		PCB-59/62/75	(2)	C	PCB-80	(2.79)	
PCB-6	(4.91)		PCB-28/20	4.72	J C	PCB-42	(3.05)		PCB-79	(2.65)	
PCB-5	(4.81)		PCB-21/33	(2.58)	C	PCB-41	(3.27)		PCB-78	(3.15)	
PCB-8	(4.72)		PCB-22	(2.98)		PCB-71/40	(2.68)	C	PCB-81	(2.83)	
PCB-14	(4.06)		PCB-36	(2.88)		PCB-64	(1.91)		PCB-77	(2.98)	
PCB-11	25.7	B	PCB-39	(2.63)							
PCB-13/12	(4.61)	C	PCB-38	(2.87)							
PCB-15	(4.25)		PCB-35	(3.06)							
			PCB-37	(3.07)							
Conc.	25.7		Conc.	4.72					Conc.	12.9	
EMPC	25.7		EMPC	4.72					EMPC	18.9	
 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com						Totals	Conc.	EMPC			
						Mono-Tri	30.4			30.4	
						Tetra-Hexa	53.4			64.4	
						Hepta-Deca	0			0	
						Mono-Deca	83.8			94.8	

Sample ID: CWKDERIVER3-EQBLK-5
Method 1668A

Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers
PCB-104	(0.749)		PCB-108/119/86/97/125/87	(1.55)	C	PCB-155	(0.56)		PCB-165	(0.731)	
PCB-96	(0.778)		PCB-117	(1.35)		PCB-152	(0.526)		PCB-146	(0.841)	
PCB-103	(1.58)		PCB-116/85	(1.57)	C	PCB-150	(0.54)		PCB-161	(0.671)	
PCB-94	(1.9)		PCB-110	8.62	J	PCB-136	(0.581)		PCB-153/168	5.31	J B C
PCB-95	4.84	J	PCB-115	(1.29)		PCB-145	(0.565)		PCB-141	(0.95)	
PCB-100/93	(1.78)	C	PCB-82	(2.19)		PCB-148	(0.821)		PCB-130	(1.09)	
PCB-102	(1.56)		PCB-111	(1.26)		PCB-151/135	(0.834)	C	PCB-137	(0.948)	
PCB-98	(1.98)		PCB-120	(1.34)		PCB-154	(0.763)		PCB-164	(0.687)	
PCB-88	(1.98)		PCB-107/124	(1.44)	C	PCB-144	(0.866)		PCB-163/138/129	7.09	J C
PCB-91	(1.58)		PCB-109	(1.35)		PCB-147/149	6.24	J C	PCB-160	(0.704)	
PCB-84	(2.13)		PCB-123	(1.51)		PCB-134	(1.22)		PCB-158	(0.668)	
PCB-89	(1.96)		PCB-106	(1.4)		PCB-143	(0.798)		PCB-128/166	(1.2)	C
PCB-121	(1.31)		PCB-118	5.08	J B	PCB-139/140	(0.823)	C	PCB-159	(1.05)	
PCB-92	(1.91)		PCB-122	(1.79)		PCB-131	(0.962)		PCB-162	(1.1)	
PCB-113/90/101	[4.91]	J EMPC C	PCB-114	(1.69)		PCB-142	(0.964)		PCB-167	(1.15)	
PCB-83	(2.4)		PCB-105	3.34	J	PCB-132	(0.949)		PCB-156/157	(1.9)	C
PCB-99	(1.54)		PCB-127	(1.63)		PCB-133	(0.908)		PCB-169	(1.34)	
PCB-112	(1.39)		PCB-126	(1.37)							
			Conc.	21.9					Conc.	18.6	
			EMPC	26.8					EMPC	18.6	
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers
PCB-188	(0.556)		PCB-174	(1.69)		PCB-202	(0.626)		PCB-208	(4.98)	
PCB-179	(0.552)		PCB-177	(1.74)		PCB-201	(0.588)		PCB-207	(4.67)	
PCB-184	(0.585)		PCB-181	(1.52)		PCB-204	(0.62)		PCB-206	(8.94)	
PCB-176	(0.53)		PCB-171/173	(1.72)	C	PCB-197	(0.58)				
PCB-186	(0.578)		PCB-172	(1.71)		PCB-200	(0.616)		Conc.	0	
PCB-178	(0.811)		PCB-192	(1.3)		PCB-198/199	(0.958)	C	EMPC	0	
PCB-175	(1.52)		PCB-180/193	(1.38)	C	PCB-196	(0.94)				
PCB-187	(1.43)		PCB-191	(1.28)		PCB-203	(0.887)		Deca	Conc.	Qualifiers
PCB-182	(1.4)		PCB-170	(1.81)		PCB-195	(2.18)		PCB-209	(2.29)	
PCB-183	(1.43)		PCB-190	(1.22)		PCB-194	(2.15)				
PCB-185	(1.49)		PCB-189	(1.2)		PCB-205	(1.78)				
			Conc.	0		Conc.	0				
			EMPC	0		EMPC	0				

Sample ID: Method Blank B1591_15329**Method 1668A**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	The Chemours Company FC, LLC.	Matrix:	Aqueous	Project No.:	B1591	Date Received:	n/a
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	1.00 L	Sample ID:	MB1_15329_PCB_TLX	Date Extracted:	22-Nov-2017
Date Collected:	n/a	pH	n/a	QC Batch No.:	15329	Date Analyzed:	08-Dec-2017
<u>Analyte</u>		<u>Conc.</u>	<u>DL</u>	<u>EMPC</u>	<u>Qualifier</u>	<u>Standard</u>	<u>Recovery</u>
		pg/L	pg/L	pg/L			%
PCB-77 33'44'-TeCB		ND	4.76			ES PCB-1	75.7
PCB-81 344'5-TeCB		ND	4.36			ES PCB-3	73.3
PCB-105 233'44'-PeCB		ND	1.73			ES PCB-4	74.2
PCB-114 2344'5-PeCB		ND	1.71			ES PCB-15	79.2
PCB-118 23'44'5-PeCB		EMPC		3.87	J	ES PCB-19	80.6
PCB-123 23'44'5-PeCB		ND	1.77			ES PCB-37	85.9
PCB-126 33'44'5-PeCB		ND	1.99			ES PCB-54	70.6
PCB-156/157 233'44'5/233'44'5-HxCB		ND	2.97		C	ES PCB-77	87.6
PCB-167 23'44'55'-HxCB		ND	1.83			ES PCB-81	86.4
PCB-169 33'44'55'-HxCB		ND	2.37			ES PCB-104	78.7
PCB-189 233'44'55'-HpCB		ND	2.34			ES PCB-105	95.4
						ES PCB-114	92.7
TEQs (WHO 2005 M/H)						ES PCB-118	94.3
						ES PCB-123	90.1
ND = 0		0		0.000116		ES PCB-126	88.6
ND = 0.5 x DL		0.136		0.136		ES PCB-153	100
ND = DL		0.272		0.272		ES PCB-155	106
						ES PCB-156/157	118
Totals						ES PCB-167	119
Mono-CB		ND	2.25			ES PCB-169	103
Di-CB		20				ES PCB-170	107
Tri-CB		ND	5.48			ES PCB-180	110
Tetra-CB		ND	4.15			ES PCB-188	96.6
Penta-CB				3.87		ES PCB-189	101
Hexa-CB				3.47		ES PCB-202	104
Hepta-CB		5.78				ES PCB-205	108
Octa-CB		ND	1.32			ES PCB-206	99.9
Nona-CB		ND	7.47			ES PCB-208	110
Deca-CB		ND	1.94			ES PCB-209	103
Total PCB (Mono-Deca)		25.8		33.2		CS PCB-28	75.1
						CS PCB-111	90.1
						CS PCB-178	87.5

Checkcode: 779-414-SQB/A

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Report Created: 18-Dec-2017 15:06 Analyst: MS

Sample ID: Method Blank B1591_15329**Method 1668A**

<u>Client Data</u>		<u>Sample Data</u>		<u>Laboratory Data</u>			
Name:	The Chemours Company FC, LLC.	Matrix:	Aqueous	Project No.:	B1591	Date Received:	n/a
Project ID:	DE River NAPL Delineation Phase III	Weight/Volume:	1.00 L	Sample ID:	MB1_15329_PCB_TLX	Date Extracted:	22-Nov-2017
Date Collected:	n/a	pH	n/a	QC Batch No.:	15329	Date Analyzed:	08-Dec-2017
<u>Analyte</u>		<u>Conc.</u>	<u>DL</u>	<u>EMPC</u>	<u>Qualifier</u>	<u>Standard</u>	<u>Recovery</u>
		pg/L	pg/L	pg/L			%
PCB-77 33'44'-TeCB		ND	4.76			ES PCB-1	75.7
PCB-81 344'5-TeCB		ND	4.36			ES PCB-3	73.3
PCB-105 233'44'-PeCB		ND	1.73			ES PCB-4	74.2
PCB-114 2344'5-PeCB		ND	1.71			ES PCB-15	79.2
PCB-118 23'44'5-PeCB		EMPC		3.87	J	ES PCB-19	80.6
PCB-123 23'44'5-PeCB		ND	1.77			ES PCB-37	85.9
PCB-126 33'44'5-PeCB		ND	1.99			ES PCB-54	70.6
PCB-156/157 233'44'5/233'44'5-HxCB		ND	2.97		C	ES PCB-77	87.6
PCB-167 23'44'55'-HxCB		ND	1.83			ES PCB-81	86.4
PCB-169 33'44'55'-HxCB		ND	2.37			ES PCB-104	78.7
PCB-189 233'44'55'-HpCB		ND	2.34			ES PCB-105	95.4
						ES PCB-114	92.7
TEQs (WHO 1998 M/H)						ES PCB-118	94.3
						ES PCB-123	90.1
ND = 0		0		0.000387		ES PCB-126	88.6
ND = 0.5 x DL		0.113		0.114		ES PCB-153	100
ND = DL		0.227		0.227		ES PCB-155	106
						ES PCB-156/157	118
Totals						ES PCB-167	119
Mono-CB		ND	2.25			ES PCB-169	103
Di-CB		20				ES PCB-170	107
Tri-CB		ND	5.48			ES PCB-180	110
Tetra-CB		ND	4.15			ES PCB-188	96.6
Penta-CB				3.87		ES PCB-189	101
Hexa-CB				3.47		ES PCB-202	104
Hepta-CB		5.78				ES PCB-205	108
Octa-CB		ND	1.32			ES PCB-206	99.9
Nona-CB		ND	7.47			ES PCB-208	110
Deca-CB		ND	1.94			ES PCB-209	103
Total PCB (Mono-Deca)		25.8		33.2		CS PCB-28	75.1
						CS PCB-111	90.1
						CS PCB-178	87.5

Checkcode: 779-414-SQB/A

SGS North America - PCB v0.80

Report Created: 18-Dec-2017 15:06 Analyst: MS

Sample ID: Method Blank B1591_15329										Method 1668A		
<u>Client Data</u>			<u>Sample Data</u>			<u>Laboratory Data</u>						
Name:	The Chemours Company FC, LLC.		Matrix:	Aqueous		Project No.:	B1591			Date Received:	n/a	
Project ID:	DE River NAPL Delineation Phase III		Weight/Volume:	1.00 L		Sample ID:	MB1_15329_PCB_TLX			Date Extracted:	22-Nov-2017	
Date Collected:	n/a		pH	n/a		QC Batch No.:	15329			Date Analyzed:	08-Dec-2017	
			Units	pg/L		Checkcode:	779-414-SQB/A			Time Analyzed:	11:00:48	
Mono	Conc.	Qualifiers	Tri	Conc.	Qualifiers	Tetra	Conc.	Qualifiers	Tetra	Conc.	Conc.	Qualifiers
PCB-1	(2)		PCB-19	(6.65)		PCB-54	(2.79)		PCB-72	(4.45)		
PCB-2	(2.61)		PCB-30/18	(5.08)	C	PCB-50/53	(4.29)	C	PCB-68	(4.13)		
PCB-3	(2.5)		PCB-17	(5.86)		PCB-45	(5.4)		PCB-57	(4.64)		
			PCB-27	(4.3)		PCB-51	(3.83)		PCB-58	(4.51)		
Conc.	0		PCB-24	(4.54)		PCB-46	(5.18)		PCB-67	(4.39)		
EMPC	0		PCB-16	(7.56)		PCB-52	(4.56)		PCB-63	(4.08)		
			PCB-32	(4.18)		PCB-73	(3.51)		PCB-61/70/74/76	(4.47)	C	
Di	Conc.	Qualifiers	PCB-34	(4)		PCB-43	(5.51)		PCB-66	(4.69)		
PCB-4	(10.8)		PCB-23	(3.93)		PCB-69/49	(3.8)	C	PCB-55	(4.69)		
PCB-10	(6.8)		PCB-26/29	(3.78)	C	PCB-48	(4.6)		PCB-56	(5.13)		
PCB-9	(9.97)		PCB-25	(3.74)		PCB-44/47/65	(4.28)	C	PCB-60	(4.99)		
PCB-7	(8.8)		PCB-31	(3.55)		PCB-59/62/75	(3.28)	C	PCB-80	(4.3)		
PCB-6	(9.41)		PCB-28/20	(3.81)	C	PCB-42	(5.02)		PCB-79	(4.09)		
PCB-5	(9.23)		PCB-21/33	(3.63)	C	PCB-41	(5.37)		PCB-78	(4.86)		
PCB-8	(9.05)		PCB-22	(4.18)		PCB-71/40	(4.41)	C	PCB-81	(4.36)		
PCB-14	(7.79)		PCB-36	(4.05)		PCB-64	(3.15)		PCB-77	(4.76)		
PCB-11	20		PCB-39	(3.69)								
PCB-13/12	(8.83)	C	PCB-38	(4.02)								
PCB-15	(8.14)		PCB-35	(4.3)								
			PCB-37	(4.31)								
Conc.	20		Conc.	0					Conc.	0		
EMPC	20		EMPC	0					EMPC	0		
 5500 Business Drive Wilmington, NC 28405, USA Tel: +1 910 794-1613 www.us.sgs.com										Totals	Conc.	EMPC
										Mono-Tri	20	20
										Tetra-Hexa	0	7.33
										Hepta-Deca	5.78	5.78
										Mono-Deca	25.8	33.2

Sample ID: Method Blank B1591_15329												Method 1668A		
Penta	Conc.	Qualifiers	Penta	Conc.	Qualifiers	Hexa	Conc.	Qualifiers	Hexa	Conc.	Qualifiers			
PCB-104	(1.1)		PCB-108/119/86/97/125/87	(1.82)	C	PCB-155	(1.31)		PCB-165	(1.58)				
PCB-96	(1.14)		PCB-117	(1.59)		PCB-152	(1.23)		PCB-146	(1.82)				
PCB-103	(1.86)		PCB-116/85	(1.84)	C	PCB-150	(1.26)		PCB-161	(1.45)				
PCB-94	(2.23)		PCB-110	(1.65)		PCB-136	(1.35)		PCB-153/168	[3.47]	J EMPC C			
PCB-95	(2.09)		PCB-115	(1.51)		PCB-145	(1.32)		PCB-141	(2.05)				
PCB-100/93	(2.09)	C	PCB-82	(2.57)		PCB-148	(1.77)		PCB-130	(2.36)				
PCB-102	(1.83)		PCB-111	(1.48)		PCB-151/135	(1.8)	C	PCB-137	(2.05)				
PCB-98	(2.32)		PCB-120	(1.57)		PCB-154	(1.65)		PCB-164	(1.48)				
PCB-88	(2.32)		PCB-107/124	(1.69)	C	PCB-144	(1.87)		PCB-163/138/129	(1.95)	C			
PCB-91	(1.85)		PCB-109	(1.58)		PCB-147/149	(1.86)	C	PCB-160	(1.52)				
PCB-84	(2.5)		PCB-123	(1.77)		PCB-134	(2.64)		PCB-158	(1.44)				
PCB-89	(2.3)		PCB-106	(1.64)		PCB-143	(1.73)		PCB-128/166	(1.93)	C			
PCB-121	(1.54)		PCB-118	[3.87]	J EMPC	PCB-139/140	(1.78)	C	PCB-159	(1.69)				
PCB-92	(2.24)		PCB-122	(1.8)		PCB-131	(2.08)		PCB-162	(1.76)				
PCB-113/90/101	(1.87)	C	PCB-114	(1.71)		PCB-142	(2.08)		PCB-167	(1.83)				
PCB-83	(2.82)		PCB-105	(1.73)		PCB-132	(2.05)		PCB-156/157	(2.97)	C			
PCB-99	(1.8)		PCB-127	(1.68)		PCB-133	(1.96)		PCB-169	(2.37)				
PCB-112	(1.63)		PCB-126	(1.99)										
			Conc.	0					Conc.	0				
			EMPC	3.87					EMPC	3.47				
Hepta	Conc.	Qualifiers	Hepta	Conc.	Qualifiers	Octa	Conc.	Qualifiers	Nona	Conc.	Qualifiers			
PCB-188	(0.822)		PCB-174	(2.65)		PCB-202	(1.28)		PCB-208	(5.57)				
PCB-179	(0.817)		PCB-177	(2.72)		PCB-201	(1.2)		PCB-207	(5.22)				
PCB-184	(0.866)		PCB-181	(2.38)		PCB-204	(1.27)		PCB-206	(9.37)				
PCB-176	(0.784)		PCB-171/173	(2.7)	C	PCB-197	(1.19)							
PCB-186	(0.855)		PCB-172	(2.68)		PCB-200	(1.26)			Conc.	0			
PCB-178	(1.2)		PCB-192	(2.04)		PCB-198/199	(1.96)	C	EMPC	0				
PCB-175	(2.39)		PCB-180/193	5.78	J C	PCB-196	(1.93)							
PCB-187	(2.23)		PCB-191	(2.01)		PCB-203	(1.82)		Deca	Conc.	Qualifiers			
PCB-182	(2.2)		PCB-170	(3.32)		PCB-195	(1.66)		PCB-209	(1.94)				
PCB-183	(2.24)		PCB-190	(2.23)		PCB-194	(1.64)							
PCB-185	(2.33)		PCB-189	(2.34)		PCB-205	(1.36)							
			Conc.	5.78		Conc.	0							
			EMPC	5.78		EMPC	0							



METHOD 1668A

PCB ONGOING PRECISION AND RECOVERY (OPR)

FORM 8A

Lab Name: SGS North America
Initial Calibration: ICAL: MM4_PCB_06072017_02AUG2017
Instrument ID: MM4 GC Column ID:
VER Data Filename: 171208S02 Analysis Date: 08-DEC-2017 09:04:58
Lab ID: OPR1_15329_PCB

NATIVE ANALYTES	SPIKE	RECOVERY (%)	RANGE		OK	
	CONC. (pg/uL)		(%)	-		
PCB-1 2-MoCB	50	100	50	-	150	Y
PCB-3 4-MoCB	50	99.7	50	-	150	Y
PCB-4 22'-DiCB	50	106	50	-	150	Y
PCB-15 44'-DiCB	50	98.9	50	-	150	Y
PCB-19 22'6-TrCB	50	97.9	50	-	150	Y
PCB-37 344'-TrCB	50	104	50	-	150	Y
PCB-54 22'66'-TeCB	50	104	50	-	150	Y
PCB-77 33'44'-TeCB	50	105	50	-	150	Y
PCB-81 344'5-TeCB	50	93.7	50	-	150	Y
PCB-104 22'466'-PeCB	50	115	50	-	150	Y
PCB-105 233'44'-PeCB	50	110	50	-	150	Y
PCB-114 2344'5-PeCB	50	115	50	-	150	Y
PCB-118 23'44'5-PeCB	50	105	50	-	150	Y
PCB-123 23'44'5'-PeCB	50	108	50	-	150	Y
PCB-126 33'44'5-PeCB	50	104	50	-	150	Y
PCB-155 22'44'66'-HxCB	50	111	50	-	150	Y
PCB-156/157HxCB	100	106	50	-	150	Y
PCB-167 23'44'55'-HxCB	50	112	50	-	150	Y
PCB-169 33'44'55'-HxCB	50	102	50	-	150	Y
PCB-188 22'34'566'-HpCB	50	106	50	-	150	Y
PCB-189 233'44'55'-HpCB	50	109	50	-	150	Y
PCB-202 22'33'55'66'-OcCB	50	96.7	50	-	150	Y
PCB-205 233'44'55'6-OcCB	50	104	50	-	150	Y
PCB-206 22'33'44'55'6-NoCB	50	98.4	50	-	150	Y
PCB-208 22'33'455'66'-NoCB	50	103	50	-	150	Y
PCB-209 DeCB	50	106	50	-	150	Y

Contract-required recovery limits for OPR as specified in Table 6,
Method 1668A.



METHOD 1668A

PCB ONGOING PRECISION AND RECOVERY (OPR)

FORM 8B

Lab Name: SGS North America
Initial Calibration: ICAL: MM4_PCB_06072017_02AUG2017
Instrument ID: MM4 GC Column ID:
VER Data Filename: 171208S02 Analysis Date: 08-DEC-2017 09:04:58
Lab ID: OPR1_15329_PCB

LABLED STANDARDS	SPIKE	RECOVERY (%)	RANGE		OK
	CONC. (pg/uL)		(%)	-	
ES PCB-1	100	62.4	15	-	140 Y
ES PCB-3	100	63	15	-	140 Y
ES PCB-4	100	65.9	30	-	140 Y
ES PCB-15	100	69.9	30	-	140 Y
ES PCB-19	100	70.7	30	-	140 Y
ES PCB-37	100	68.2	30	-	140 Y
ES PCB-54	100	68.1	30	-	140 Y
ES PCB-77	100	71.6	30	-	140 Y
ES PCB-81	100	77.6	30	-	140 Y
ES PCB-104	100	69.4	30	-	140 Y
ES PCB-105	100	77.1	30	-	140 Y
ES PCB-114	100	75.4	30	-	140 Y
ES PCB-118	100	75.6	30	-	140 Y
ES PCB-123	100	79.4	30	-	140 Y
ES PCB-126	100	70.9	30	-	140 Y
ES PCB-153	100	87.8	30	-	140 Y
ES PCB-155	100	93.2	30	-	140 Y
ES PCB-156/157	200	92.7	30	-	140 Y
ES PCB-167	100	97.2	30	-	140 Y
ES PCB-169	100	84.3	30	-	140 Y
ES PCB-170	100	95.7	30	-	140 Y
ES PCB-180	100	98.6	30	-	140 Y
ES PCB-188	100	79.2	30	-	140 Y
ES PCB-189	100	96.2	30	-	140 Y
ES PCB-202	100	88.9	30	-	140 Y
ES PCB-205	100	91.6	30	-	140 Y
ES PCB-206	100	95.5	30	-	140 Y
ES PCB-208	100	98.6	30	-	140 Y
ES PCB-209	100	95	30	-	140 Y

CLEANUP STANDARDS

CS PCB-28	100	71.2	40	-	125 Y
CS PCB-111	100	80.4	40	-	125 Y
CS PCB-178	100	76.6	40	-	125 Y

Processed: 13 Dec 2017 15:38 Analyst: MS



Sample Receipt Notification

**5500 Business Drive
Wilmington, NC 28405 USA
Tel: 910 794-1613
Toll Free: 866 846-8290
Fax: 910 794-3919**

Project Manager: Tamara Morgan
Receipt Date & Time: 10-Nov-17 at 09:54
AP Project name: B1591
Requested TAT: 30 days
Projected due date: 15-Dec-17
Matrix: Aqueous
Phone#: 910-794-1613
Email Address: Tamara.Morgan@sgs.com

Company Contact: *Michael Aucoin*
Company: *The Chemours Company FC, LLC.*
Project Name & Site: *DE River NAPL Delineation Phase III*
Project PO#: *LBIO-66527*
QAAP/Contract #: *on file*
Requested Analysis: *Method 1668A*
Phone#: *302-781-5873*
Email Address: *michael.aucoin@aecom.com*

Preservation Type:	Sample Seals:	No
Notes/Comments:	Sample: CWKDERIVER3-EQBLK-6 received broken. No replacement per client email.	Any un-extracted sample will be stored for 90 days from reporting date. Additional storage fees may apply for any samples stored longer than 90 days.

Received by: Ashley Owens

Logged in by: Ashley Owens

QC'ed by: AK 16 Nov 17

All services are rendered in accordance with the applicable SGS General Conditions of Service accessible via:

http://www.sgs.com/terms_and_conditions.htm



EQK-1

B1591

CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

PO. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

 Standard Basic Other:SPECIAL DELIVERABLES: State of Origin: EDD: EIM

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE 19713

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

SPECIAL INSTRUCTIONS / COMMENTS:

TEFS

 2,3,7,8-TCDD DRBC 2,3,7,8-TCDD/F TMDL _____ ITEFS MA-TEFS WHO-98 OCT-TEFS WHO-05 _____

Upload deliverables per contract- to EIM and CRG sites

INVOICE TO: (CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by: A. Duroff

PHONE: L. West

EMAIL:

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC			TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVQA	WHO-2/WHO-2S	REMARKS
				MS	MSD	DUP													
	_____ BOR _____						Sed			X									
	_____ BOR _____			X			Sed			X									
	_____ BOR _____			X			Sed			X									
	CWKDERIVER3-EQBLK-1	10/31/17	11:11				Water	1		X									
	CWKDERIVER3-EQBLK-6	11/7/17	9:30				water	1		X								* Rec'd broken	
COLLECTED/RELINQUISHED BY (1):		DATE:	TIME:	RECEIVED BY:						RECEIVED BY LABORATORY:						DATE:	TIME:		
		11/8/17	12:00							Ashey Owens						11/10/17	9:54		
RELINQUISHED BY (2):		DATE:	TIME:	RECEIVED BY:						COC SEAL:	INTACT	BROKEN	X ABSENT						
										SAMPLE RECEIPT TEMP: °C	25° (IR3)								
										CARRIER:	FedEx					TRACKING #:			
										NOTES:	Hand 9810 1588								



EQBK-3

B1591

CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

PO. # LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

 Standard Basic Other:SPECIAL DELIVERABLES: State of Origin: EDD: EIM Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE 19713

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

SPECIAL INSTRUCTIONS / COMMENTS:

TEFS

 2,3,7,8-TCDD DRBC 2,3,7,8-TCDD/F TMDL ITEFS MA-TEFS WHO-98 CT-TEFS WHO-05 _____

Upload deliverables per contract- to EIM and CRG sites

INVOICE TO: (CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by:

PHONE: A. Dyroff K. West

EMAIL: J. Gomes

				QC	Type (C, G)	Matrix	Cont. Qty	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	U-SVQA	WHO-2/WHO-2S	REMARKS
	-BOR- () B					Sed		X									
	-BOR- () MIS			X		Sed			X								
	BOR () MSD			X		Sed			X								
	CWKDERIVER3-EQBLK-3	11-2-17	9:00		G	Water	L										



CHAIN OF CUSTODY | ULTRATRACE ANALYSIS

B1591

PROJECT INFO:

PROJECT: DE River NAPL Delineation Phase III

P.O. #: LBIO-66527

QUOTE #: contract

SITE / PWSID REF: (CWK) Chamber Works

TURN AROUND TIME: standard

REPORT LEVEL: (see reverse)

 Standard Basic Other:
SPECIAL DELIVERABLES: State of Origin:
 EDD: EIM Other:

SEND DOCUMENTATION / RESULTS TO:

COMPANY: AECOM

CONTACT: Michael Aucoin

ADDRESS: 4051 Ogletown Road, Suite 300, Newark, DE

PHONE: 302-781-5873

EMAIL: michael.aucoin@aecom.com

SPECIAL INSTRUCTIONS / COMMENTS:
TEFS

- ITEFS IMA-TEFS
 WHO-98 IGT-TEFS
 WHO-05

Upload deliverables per contract- to EIM and CRG sites

INVOICE TO: (CHECK IF SAME)

COMPANY: Chemours CONTACT: per contract

ADDRESS: Sampled by:

PHONE: A. DiTocco, J. Gomes,
L. West

EMAIL:

LAB ID	SAMPLE ID / DESCRIPTION	DATE	TIME	QC			TYPE (C, G)	MATRIX	CONT. QTY	METHOD 8290	METHOD 1613B	METHOD 1668 A	METHOD 1668 B	METHOD 1668 C	PAH BY HRGC/MS	QUANTIC	USVQA	WHO-2/WHO-2S	REMARKS
				MS	MSD	DUP													
	CWKDERIVER3-EQBLK-5	11/6/17	9:00					Water	1		X								
COLLECTED/RELINQUISHED BY (1):	DATE:	TIME:	RECEIVED BY:		RECEIVED BY LABORATORY	DATE:	TIME:												
	11/8/17	12:00			Ashley Owens	11/10/17	9:54												
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:		COC SEAL: X INTACT	BROKEN	ABSENT												

COLLECTED/RELINQUISHED BY (1): 	DATE: 11/8/17	TIME: 12:00	RECEIVED BY:	RECEIVED BY LABORATORY: Ashley Owens	DATE: 11/10/17	TIME: 9:54											
RELINQUISHED BY (2):	DATE:	TIME:	RECEIVED BY:														